

# **Analytical Chemistry**

**Project: Sediment Quality Verification  
May 2010 – April 2011**

## **Sample Chain of Custody Documentation**

Revised 8/10/11

Battelle Project No. 54220  
CF No. 3151



Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, WA 98382  
PM: Jill Brandenberger  
(360) 681-4564

# CHAIN OF CUSTODY DATA PACKAGE CONTENTS

Sediment Quality Verification  
May 2010 – April 2011  
Chain of Custody Documents

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## **Sampling Event**

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Revised SQ01 8/10/11

**ENVVEST Sediment Quality Verification (SQV) Study**  
Status Sheet

| CF#3151 |                          |                                                |                        |                                                                |
|---------|--------------------------|------------------------------------------------|------------------------|----------------------------------------------------------------|
| EVENT   | Description              | Sample Numbers                                 | Collect Dates          | Notes                                                          |
| SQV01   | Storm Drain Seds         | 567-569 (Org), 570-572(Met)                    | 4/20/2011              |                                                                |
| SQV02   | OUB Splits 2010          | 1-109 (Met), 115-223 (Org)                     | May-10                 | sample no 224-228 available for organics if requested          |
| SQV03   | Dry Dock Splits          | 110-114 (Met),                                 | Jul-10                 | DD6, PQ1-2. No organic split                                   |
| SQV04   | Pier 7 Drums             | 229-233 (RapScn), 234-238 (Met), 239-243 (Org) | Mar-11                 | Rapid Screen samples to be passed to Joel G. 4/28/11           |
| SQV05   | April 2011 (Cores/Grabs) | 244-842 ASSORT                                 | 4/27-29/11             | some sample ids not used - sample not collected                |
| SQV06   | Pier 7 Transects         | 573-620(Met), 621-668(Org), 669-716(GS)        | 4/22/11; split 4/29/11 | Joel provided COC; samples rec'd at MSL 4/25/11; split 4/29/11 |
| SQV07   |                          |                                                |                        |                                                                |
| SQV08   |                          |                                                |                        |                                                                |
| SQV09   |                          |                                                |                        |                                                                |
| SQV10   |                          |                                                |                        |                                                                |

*Revised 8/10/11*

# SAMPLE CHAIN OF CUSTODY FORM

Date: \_\_\_\_\_ of \_\_\_\_\_  
 Page: 1 of 1  
 Project No.: N4523A10MP00034 Amend.1  
 Project: PSNSNon-dry Dock SW 2010

*Storm Drains (SQV01)*

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Laboratory: Battelle MSL  
 Attention: Jill Brandenberger  
 Phone: (360) 681-4564

Analyze parameters per QAP/FSP

| Sample Label                             | Station ID                                                            | Collection Date/Time | Matrix         | Hardness                                                                               | TOC | DOC | TSS | TME/DME | TPH | Turbidity | Total Metals | Organics | Screening | No. containers                               | Sample Type (Grab vs. Comp) | Storm#   | Notes / Comp. Cond. Reading $\mu$ S/cm |
|------------------------------------------|-----------------------------------------------------------------------|----------------------|----------------|----------------------------------------------------------------------------------------|-----|-----|-----|---------|-----|-----------|--------------|----------|-----------|----------------------------------------------|-----------------------------|----------|----------------------------------------|
| * Should be "SQV" 4/28/11                |                                                                       |                      |                |                                                                                        |     |     |     |         |     |           |              |          |           |                                              |                             |          |                                        |
| 3151-8/10/11<br>567569<br>56857<br>56958 | SQV01-0001                                                            | PSNS 096             | 4/20/11 (1130) | SED                                                                                    |     |     |     |         |     |           | X            |          | X         |                                              |                             | PSNS 096 | 3151-8432                              |
|                                          | SQV01-0002                                                            | PSNS 015             | 4/20/11 (1340) | SEO                                                                                    |     |     |     |         |     |           | X            |          | X         |                                              |                             | 015      | 844 Metals                             |
|                                          | SQV01-0003                                                            | PSNS 008             | 4/20/11 (1420) | SED                                                                                    |     |     |     |         |     |           | X            |          | X         |                                              |                             | 008      | 845                                    |
|                                          |                                                                       |                      |                |                                                                                        |     |     |     |         |     |           |              |          |           |                                              |                             | 096      | 846 2 Grain                            |
|                                          |                                                                       |                      |                |                                                                                        |     |     |     |         |     |           |              |          |           |                                              |                             | 015      | 847 3                                  |
|                                          |                                                                       |                      |                |                                                                                        |     |     |     |         |     |           |              |          |           |                                              |                             | 008      | 848 2e                                 |
| Metals Split                             |                                                                       |                      |                |                                                                                        |     |     |     |         |     |           |              |          |           |                                              |                             |          |                                        |
| 570<br>571<br>572                        | SQV01-0004                                                            | PSNS 096             |                |                                                                                        |     |     |     |         |     |           |              |          |           |                                              |                             |          |                                        |
|                                          | SQV01-0005                                                            | PSNS 015             |                |                                                                                        |     |     |     |         |     |           |              |          |           |                                              |                             |          |                                        |
|                                          | SQV01-0006                                                            | PSNS 008             |                |                                                                                        |     |     |     |         |     |           |              |          |           |                                              |                             |          |                                        |
|                                          |                                                                       |                      |                |                                                                                        |     |     |     |         |     |           |              |          |           |                                              |                             |          |                                        |
| Screen Split                             |                                                                       |                      |                |                                                                                        |     |     |     |         |     |           |              |          |           |                                              |                             |          |                                        |
|                                          | SQV01-0007                                                            |                      |                |                                                                                        |     |     |     |         |     |           |              |          |           |                                              |                             |          |                                        |
|                                          | SQV01-0008                                                            |                      |                |                                                                                        |     |     |     |         |     |           |              |          |           |                                              |                             |          |                                        |
|                                          | SQV01-0009                                                            |                      |                |                                                                                        |     |     |     |         |     |           |              |          |           |                                              |                             |          |                                        |
| Relinquished by:                         | Signature: <u>Brian Rupert</u> Date: <u>4/20/11</u> Time: <u>1300</u> |                      |                | Received by: <u>R. C. Johnson</u> Signature: <u>R. C. Johnson</u> Date: <u>4/27/11</u> |     |     |     |         |     |           |              |          |           | Total # of Containers: _____                 |                             |          |                                        |
|                                          | Printed Name: _____ Company: <u>TEC Inc</u>                           |                      |                | Printed Name: _____                                                                    |     |     |     |         |     |           |              |          |           | Shipment Method: <u>Hand delivery to MSL</u> |                             |          |                                        |
| Relinquished by:                         | Signature: <u>[Signature]</u> Date: <u>4/28/11</u> Time: _____        |                      |                | Received by: <u>[Signature]</u> Signature: <u>[Signature]</u> Date: <u>4/28/11</u>     |     |     |     |         |     |           |              |          |           | Sample Disposition: _____                    |                             |          |                                        |
|                                          | Printed Name: _____ Company: _____                                    |                      |                | Printed Name: _____                                                                    |     |     |     |         |     |           |              |          |           | Distribution: _____                          |                             |          |                                        |

① Organics by SQV QAPP.

## SAMPLE LOGIN

Project Manager: Brandenberger  
Date Received: 4/28/2011  
Batch: (use SQV ID as reference)  
Login Designee: Csuslick



Marine Sciences Laboratory  
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Sequim, Washington 98382  
PH: (360) 681-4565

Project: **ENVVEST Sed Quality Varification Study - Storm Drains (SQV01)**

| Sponsor ID | Site Description | Battelle Code | Matrix | Storage Location | Requested Parameters | Collection Date |
|------------|------------------|---------------|--------|------------------|----------------------|-----------------|
| SQV01-0001 | PSNS096          | 3151-569      | SED    | Walkin Freezer   | Organics             | 04/20/11        |
| SQV01-0002 | PSNS015          | 3151-567      | SED    | Walkin Freezer   | Organics             | 04/20/11        |
| SQV01-0003 | PSNS008          | 3151-568      | SED    | Walkin Freezer   | Organics             | 04/20/11        |
| SQV01-0004 | PSNS096          | 3151-570      | SED    | Deep Freezer     | Metals               | 04/20/11        |
| SQV01-0005 | PSNS015          | 3151-571      | SED    | Deep Freezer     | Metals               | 04/20/11        |
| SQV01-0006 | PSNS008          | 3151-572      | SED    | Deep Freezer     | Metals               | 04/20/11        |

[New Splits taken from original Organics jar, 8/10/11:](#)

|            |         |          |     |                     |            |          |
|------------|---------|----------|-----|---------------------|------------|----------|
| SQV01-0007 | PSNS096 | 3151-843 | SED | Walkin Refrigerator | Metals     | 04/20/11 |
| SQV01-0008 | PSNS015 | 3151-844 | SED | Walkin Refrigerator | Metals     | 04/20/11 |
| SQV01-0009 | PSNS008 | 3151-845 | SED | Walkin Refrigerator | Metals     | 04/20/11 |
| SQV01-0010 | PSNS096 | 3151-846 | SED | Walkin Refrigerator | Grain Size | 04/20/11 |
| SQV01-0011 | PSNS015 | 3151-847 | SED | Walkin Refrigerator | Grain Size | 04/20/11 |
| SQV01-0012 | PSNS008 | 3151-848 | SED | Walkin Refrigerator | Grain Size | 04/20/11 |



REVISED 8/10/11

## LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #: 3151 Sample No(s): 567-572 Batch: SQV01  
Project Name: ENVTEST SED EVAL Study Project Manager: JMB

## TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: SEDS (filtered) WP# \_\_\_\_\_  
Storvick Drains

|                          |                          |                                                                    |
|--------------------------|--------------------------|--------------------------------------------------------------------|
| Yes                      | No                       |                                                                    |
| <input type="checkbox"/> | <input type="checkbox"/> | Navy-type Project (requires high-level sample tracking procedures) |
| <input type="checkbox"/> | <input type="checkbox"/> | USDA Samples (see Compliance Agreement Checklist)                  |

PM Verification: \_\_\_\_\_

|                          |                          |                                                                                                |
|--------------------------|--------------------------|------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | Filter Samples: <u>Amount:</u> <u>Entire sample</u> <u>Half of sample</u>                      |
| <input type="checkbox"/> | <input type="checkbox"/> | Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Login Lab) |
| <input type="checkbox"/> | <input type="checkbox"/> | Special instructions: _____                                                                    |

Sample Preservation Instructions: \_\_\_\_\_

**\*\*See LIMS for archive/disposal information\*\***

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

|                                     |                                     |                                     |                                                                                                                               |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Yes                                 | No                                  | N/A                                 | Indicate in Appropriate Box                                                                                                   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Custody seal present                                                                                                          |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Seal intact? YES NO                                                                                                           |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Cooler temperature (acceptable range: $4 \pm 2^\circ\text{C}$ or solids: frozen)<br>(if multiple coolers, note temp. of each) |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)<br>Comment/Remedy: _____        |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Were <u>all</u> chain of custody forms signed and dated?                                                                      |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Were samples filtered at MSL?                                                                                                 |

Sample condition(s): Acceptable Other (explain): \_\_\_\_\_

Container type: Teflon Poly Glass Cap. Vial Other: \_\_\_\_\_

Notes: Sample was split @ MSL

Completed By: JMB Date/Time: 4/28/11 1630

## SAMPLE PRESERVATION

|                          |                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction) |
| <input type="checkbox"/> | Random pH checked for ~10% of samples (use dip paper) Sample IDs: _____                       |
| <input type="checkbox"/> | Complete pH check required for project (use pH meter and record on pH Record form)            |
| <input type="checkbox"/> | Sample(s) were preserved at MSL                                                               |

Type: ☐ 0.2% HNO<sub>3</sub> Notes: \_\_\_\_\_ Lot#: \_\_\_\_\_  
☐ 0.5% HCl (Hg samples) Notes: \_\_\_\_\_ Lot#: \_\_\_\_\_  
☐ Refrigerate/Freeze Notes: DRG = Freezer MET = deep Fzn  
☐ Other Notes: \_\_\_\_\_

Completed By: JMB Date/Time: 4/28/11 1700  
Storage Shelf: \_\_\_\_\_

Contact: Josie Smith  
Phone No.: 206-438-2700

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| Installation ID    |                   | Job No.       |             |             |
|--------------------|-------------------|---------------|-------------|-------------|
| Site ID            |                   | Sampling Co.  |             |             |
| Airbill Co./Number |                   | Shipping Date |             |             |
| Sample Number      | Sample Collection |               | Matrix Type | Sample Type |
|                    | Date (mm/dd/yy)   | Time (24 Hr.) |             |             |
| 1500-G19           | 5/4/10            | 1545          | SD          | ES          |
| 1500-G15           | 5/4/10            | 1619          | SD          | ES          |
| 1500-G14           | 5/4/10            | 1635          | SD          | ES          |
| DUP1-050410        | 5/4/10            | -             | SD          | ES          |
| 1500-G5            | 5/5/10            | 0445          | SD          | ES          |
| 1500-G6            | 5/5/10            | 1030          | SD          | ES          |
| 1500-G7            | 5/5/10            | 1100          | SD          | ES          |
| 1500-G8            | 5/5/10            | 1135          | SD          | ES          |
| 1500-G9            | 5/5/10            | 1230          | SD          | ES          |
| 1500-G10           | 5/5/10            | 1340          | SD          | ES          |

Analytical Methods  
Invest

Indicate Any Condition That Would Affect Sample Analysis

Indicate Samples Containing Quantities for MS/MSD Analysis

Remarks

|                                                                                                                                                            |  |                 |              |                                                    |                              |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|--------------|----------------------------------------------------|------------------------------|------|------|
| Preservation: A = HCL to pH < 2; B = HNO <sub>3</sub> to pH < 2; C = H <sub>2</sub> SO <sub>4</sub> to pH < 2;<br>D = NaOH to pH < 12; E = Other (specify) |  |                 |              |                                                    |                              |      |      |
| Relinquished by Sampler: (Signature)<br><i>[Signature]</i>                                                                                                 |  | Date<br>5/7/10  | Time<br>1445 | Received by: (Signature)<br><i>[Signature]</i>     | Laboratory Name:<br>Battelle |      |      |
| Relinquished by: (Signature)<br><i>[Signature]</i>                                                                                                         |  | Date<br>5/17/10 | Time<br>1500 | Received by: (Signature)<br><i>[Signature]</i>     | Laboratory Contract No.:     |      |      |
| Relinquished by: (Signature)                                                                                                                               |  | Date            | Time         | Received by Lab: (Signature)<br><i>[Signature]</i> | Samples Disposed by:         | Date | Time |

Matrix Types: A - Air; PR - Product; SD - Sediment; SL - Soil; TI - Tissue WR - Water Distribution: White = Accompanies Shipment; Canary = Lab Copy; Pink = Field Copy; Goldenrod = URS Sample Control Copy

Sample Types Types: ER - Equipment Rinsate; ES - Environmental Sample; FB - Field Blank; TB - Trip Blank

# URS

## Chain of Custody

### URS Corporation

1501 4th Avenue, Suite 1400  
Seattle, WA 98101-1616  
206.438.2700

Contact:

Josie Smith

Phone No.:

206-438-2700Page 2 of 3

|                                                                                                                                                                                                             |                     |                            |                                |                                                     |                                          |                                     |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  |               |          |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------|--------------------------------|-----------------------------------------------------|------------------------------------------|-------------------------------------|--|--|--|--|--|------|--|------|--|-------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|--|---------------|----------|--------------|
| Installation ID<br><u>BNC</u>                                                                                                                                                                               |                     | Job No.<br><u>33762009</u> |                                | <div>Analytical Methods<br/><u>Envirotest</u></div> |                                          |                                     |  |  |  |  |  |      |  |      |  | Indicate Any Condition That Would Affect Sample Analysis<br><br>Indicate Samples Containing Quantities for MS/MSD Analysis<br><br>Remarks |  |             |  |               |          |              |
| Site ID<br><u>00B M</u>                                                                                                                                                                                     | Zone ID<br><u>—</u> | Sampling Co.<br><u>URS</u> | Shipping Date<br><u>5/7/10</u> |                                                     |                                          |                                     |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  |               |          |              |
| Airbill Co./Number<br><u>Head Deliver</u>                                                                                                                                                                   |                     |                            |                                |                                                     |                                          |                                     |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  |               |          |              |
| Sample Number                                                                                                                                                                                               | Date (mm/dd/yy)     | Time (24 Hr.)              | Matrix Type                    |                                                     |                                          |                                     |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  | Sample Type |  |               |          |              |
| <u>500-G64</u>                                                                                                                                                                                              | <u>05/06/10</u>     | <u>0830</u>                | <u>SD</u>                      | <u>ES</u>                                           | NUMBER OF BOTTLES PER ANALYTICAL METHODS | <u>X</u>                            |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  | <u>MS/MSD</u> | <u>✓</u> | <u>3 Jan</u> |
| <u>500-G65</u>                                                                                                                                                                                              | <u>05/06/10</u>     | <u>0915</u>                | <u>SD</u>                      | <u>ES</u>                                           |                                          | <u>X</u>                            |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  | <u>✓</u>      |          |              |
| <u>500-G67</u>                                                                                                                                                                                              | <u>05/06/10</u>     | <u>1040</u>                | <u>SD</u>                      | <u>ES</u>                                           |                                          | <u>X</u>                            |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  | <u>✓</u>      |          |              |
| <u>500-G68</u>                                                                                                                                                                                              | <u>05/06/10</u>     | <u>1125</u>                | <u>SD</u>                      | <u>ES</u>                                           |                                          | <u>X</u>                            |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  | <u>✓</u>      |          |              |
| <u>Dupl-050610</u>                                                                                                                                                                                          | <u>05/06/10</u>     | <u>—</u>                   | <u>SD</u>                      | <u>ES</u>                                           |                                          | <u>X</u>                            |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  | <u>✓</u>      |          |              |
| <u>500-G59</u>                                                                                                                                                                                              | <u>05/06/10</u>     | <u>1220</u>                | <u>SD</u>                      | <u>ES</u>                                           |                                          | <u>X</u>                            |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  | <u>✓</u>      |          |              |
| <u>500-G60</u>                                                                                                                                                                                              | <u>05/06/10</u>     | <u>1355</u>                | <u>SD</u>                      | <u>ES</u>                                           |                                          | <u>X</u>                            |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  | <u>✓</u>      |          |              |
| <u>500-G37</u>                                                                                                                                                                                              | <u>05/06/10</u>     | <u>1430</u>                | <u>SD</u>                      | <u>ES</u>                                           |                                          | <u>X</u>                            |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  | <u>✓</u>      |          |              |
| <u>500-G66</u>                                                                                                                                                                                              | <u>05/06/10</u>     | <u>1450</u>                | <u>SD</u>                      | <u>ES</u>                                           |                                          | <u>X</u>                            |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  | <u>✓</u>      |          |              |
| <u>500-G69</u>                                                                                                                                                                                              | <u>05/06/10</u>     | <u>1530</u>                | <u>SD</u>                      | <u>ES</u>                                           |                                          | <u>X</u>                            |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  | <u>✓</u>      |          |              |
| Preservation: A = HCL to pH < 2; B = HNO <sub>3</sub> to pH < 2; C = H <sub>2</sub> SO <sub>4</sub> to pH < 2;<br>D = NaOH to pH < 12; E = Other (specify)                                                  |                     |                            |                                |                                                     |                                          |                                     |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  |               |          |              |
| Relinquished by Sampler: (Signature)<br><u>[Signature]</u>                                                                                                                                                  |                     | Date<br><u>5/7/10</u>      | Time<br><u>1445</u>            | Received by: (Signature)<br><u>[Signature]</u>      |                                          | Laboratory Name:<br><u>Battelle</u> |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  |               |          |              |
| Relinquished by: (Signature)<br><u>[Signature]</u>                                                                                                                                                          |                     | Date<br><u>5/17/00</u>     | Time<br><u>1500</u>            | Received by: (Signature)<br><u>[Signature]</u>      |                                          | Laboratory Contract No.:            |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  |               |          |              |
| Relinquished by: (Signature)<br><u>[Signature]</u>                                                                                                                                                          |                     | Date                       | Time                           | Received by Lab: (Signature)<br><u>[Signature]</u>  |                                          | Samples Disposed by:                |  |  |  |  |  | Date |  | Time |  |                                                                                                                                           |  |             |  |               |          |              |
| Matrix Types: A - Air; PR - Product; SD - Sediment; SL - Soil; TI - Tissue WR - Water Distribution: White = Accompanies Shipment; Canary = Lab Copy; Pink = Field Copy; Goldenrod = URS Sample Control Copy |                     |                            |                                |                                                     |                                          |                                     |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  |               |          |              |
| Sample Types Types: ER - Equipment Rinsate; ES - Environmental Sample; FB - Field Blank; TB - Trip Blank                                                                                                    |                     |                            |                                |                                                     |                                          |                                     |  |  |  |  |  |      |  |      |  |                                                                                                                                           |  |             |  |               |          |              |

**PSNS Project ENVVEST  
FC TMDL STUDY**

[illegible]

# URS

## Chain of Custody

URS Corporation  
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Seattle, WA 98101-1616  
206.438.2700

Contact: Josie Smith  
Phone No.: 206-438-2700

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|                                                                                                                                                                                                               |                                                    |                                     |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------|---------------------|
| Installation ID<br><u>BNC</u>                                                                                                                                                                                 |                                                    | Job No.<br><u>33762009</u>          |                     |
| Site ID<br><u>0UBM</u>                                                                                                                                                                                        | Zone ID<br><u>-</u>                                | Sampling Co.<br><u>URS</u>          |                     |
| Airbill Co./Number<br><u>And Deliver</u>                                                                                                                                                                      |                                                    | Shipping Date<br><u>5/13/10</u>     |                     |
| Sample Number                                                                                                                                                                                                 | Sample Collection<br>Date (mm/dd/yy) Time (24 Hr.) | Matrix Type                         | Sample Type         |
| 500-G40                                                                                                                                                                                                       | 05/10/10 0840                                      | SD                                  | ES                  |
| 500-G41                                                                                                                                                                                                       | 05/10/10 0920                                      | SD                                  | ES                  |
| 500-G42                                                                                                                                                                                                       | 05/10/10 0930                                      | SD                                  | ES                  |
| DUP1-051010                                                                                                                                                                                                   | 05/10/10 -                                         | SD                                  | ES                  |
| 500-G43                                                                                                                                                                                                       | 05/10/10 1040                                      | SD                                  | ES                  |
| 500-G45                                                                                                                                                                                                       | 05/10/10 1130                                      | SD                                  | ES                  |
| 500-G46                                                                                                                                                                                                       | 05/10/10 1210                                      | SD                                  | ES                  |
| 500-G47                                                                                                                                                                                                       | 05/10/10 1315                                      | SD                                  | ES                  |
| 500-G49                                                                                                                                                                                                       | 05/10/10 1350                                      | SD                                  | ES                  |
| 500-G48                                                                                                                                                                                                       | 05/10/10 1530                                      | SD                                  | ES                  |
| Preservation: A = HCL to pH < 2; B = HNO <sub>3</sub> to pH < 2; C = H <sub>2</sub> SO <sub>4</sub> to pH < 2;<br>D = NaOH to pH < 12; E = Other (specify)                                                    |                                                    |                                     |                     |
| Relinquished by: (Signature)<br><u>[Signature]</u>                                                                                                                                                            |                                                    | Date<br><u>5/10/10</u>              | Time<br><u>1420</u> |
| Relinquished by: (Signature)<br><u>[Signature]</u>                                                                                                                                                            |                                                    | Date<br><u>5/17/10</u>              | Time<br><u>1500</u> |
| Relinquished by: (Signature)                                                                                                                                                                                  |                                                    | Date                                | Time                |
| Received by: (Signature)<br><u>[Signature]</u>                                                                                                                                                                |                                                    | Laboratory Name:<br><u>Battelle</u> |                     |
| Received by: (Signature)<br><u>[Signature]</u>                                                                                                                                                                |                                                    | Laboratory Contract No.:            |                     |
| Received by Lab: (Signature)                                                                                                                                                                                  |                                                    | Samples Disposed by:                |                     |
|                                                                                                                                                                                                               |                                                    | Date                                | Time                |
| Matrix Types: A - Air; PR - Product; SD - Sediment; SL - Soil; TI - Tissue; WR - Water; Distribution: White = Accompanies Shipment; Canary = Lab Copy; Pink = Field Copy; Goldenrod = URS Sample Control Copy |                                                    |                                     |                     |
| Sample Types Types: ER - Equipment Rinsate; ES - Environmental Sample; FB - Field Blank; TB - Trip Blank                                                                                                      |                                                    |                                     |                     |

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URS Corporation  
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|                                                                                                                                                                                                              |                            |                            |                      |                                                                                                                       |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| Installation ID<br><u>BNC</u>                                                                                                                                                                                |                            | Job No.<br><u>33762009</u> |                      |                                                                                                                       |  |  |  |  |  |
| Site ID<br><u>OU B M</u>                                                                                                                                                                                     | Zone ID<br><u>—</u>        | Sampling Co.<br><u>URS</u> |                      |                                                                                                                       |  |  |  |  |  |
| Airbill Co./Number<br><u>Hand Deliver</u>                                                                                                                                                                    |                            | Shipping Date              |                      |                                                                                                                       |  |  |  |  |  |
| Sample Number                                                                                                                                                                                                | Sample Collection          |                            | Matrix Type          | Sample Type                                                                                                           |  |  |  |  |  |
|                                                                                                                                                                                                              | Date (mm/dd/yy)            | Time (24 Hr.)              |                      |                                                                                                                       |  |  |  |  |  |
| <u>500-G51</u>                                                                                                                                                                                               | <u>05/10/10</u>            | <u>1450</u>                | <u>SD</u>            | <u>ES</u>                                                                                                             |  |  |  |  |  |
| <u>500-G44</u>                                                                                                                                                                                               | <u>05/10/10</u>            | <u>1345</u>                | <u>SD</u>            | <u>ES</u>                                                                                                             |  |  |  |  |  |
| <u>500-G1</u>                                                                                                                                                                                                | <u>05/11/10</u>            | <u>0810</u>                | <u>SD</u>            | <u>ES</u>                                                                                                             |  |  |  |  |  |
| <u>500-G2</u>                                                                                                                                                                                                | <u>05/11/10</u>            | <u>0840</u>                | <u>SD</u>            | <u>ES</u>                                                                                                             |  |  |  |  |  |
| <u>500-G3</u>                                                                                                                                                                                                | <u>05/11/10</u>            | <u>0900</u>                | <u>SD</u>            | <u>ES</u>                                                                                                             |  |  |  |  |  |
| <u>500-G4</u>                                                                                                                                                                                                | <u>05/11/10</u>            | <u>0935</u>                | <u>SD</u>            | <u>ES</u>                                                                                                             |  |  |  |  |  |
| <u>500-G5</u>                                                                                                                                                                                                | <u>05/11/10</u>            | <u>1020</u>                | <u>SD</u>            | <u>ES</u>                                                                                                             |  |  |  |  |  |
| <del><u>ER-051110</u></del>                                                                                                                                                                                  | <del><u>05/11/10</u></del> | <del><u>1050</u></del>     | <del><u>WR</u></del> | <del><u>ES</u></del>                                                                                                  |  |  |  |  |  |
| <u>500-G6</u>                                                                                                                                                                                                | <u>05/11/10</u>            | <u>1130</u>                | <u>SD</u>            | <u>ES</u>                                                                                                             |  |  |  |  |  |
| <u>500-G7</u>                                                                                                                                                                                                | <u>05/11/10</u>            | <u>1155</u>                | <u>SD</u>            | <u>ES</u>                                                                                                             |  |  |  |  |  |
| <div>Analytical Methods</div> <div>Envest</div> <div>Indicate Any Condition That Would Affect Sample Analysis</div> <div>Indicate Samples Containing Quantities for MS/MSD Analysis</div> <div>Remarks</div> |                            |                            |                      |                                                                                                                       |  |  |  |  |  |
|                                                                                                                                                                                                              |                            |                            |                      |                                                                                                                       |  |  |  |  |  |
|                                                                                                                                                                                                              |                            |                            |                      |                                                                                                                       |  |  |  |  |  |
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|                                                                                                                                                                                                              |                            |                            |                      |                                                                                                                       |  |  |  |  |  |
|                                                                                                                                                                                                              |                            |                            |                      |                                                                                                                       |  |  |  |  |  |
|                                                                                                                                                                                                              |                            |                            |                      |                                                                                                                       |  |  |  |  |  |
|                                                                                                                                                                                                              |                            |                            |                      |                                                                                                                       |  |  |  |  |  |
|                                                                                                                                                                                                              |                            |                            |                      |                                                                                                                       |  |  |  |  |  |
| Preservation: A = HCL to pH < 2; B = HNO <sub>3</sub> to pH < 2; C = H <sub>2</sub> SO <sub>4</sub> to pH < 2;<br>D = NaOH to pH < 12; E = Other (specify)                                                   |                            |                            |                      |                                                                                                                       |  |  |  |  |  |
| Relinquished by Sampler (Signature)<br><u>E. L. Lyle</u>                                                                                                                                                     |                            | Date<br><u>5/13/10</u>     | Time<br><u>1420</u>  | Received by (Signature)<br><u>JK Lyle</u>                                                                             |  |  |  |  |  |
| Relinquished by (Signature)<br><u>JK Lyle</u>                                                                                                                                                                |                            | Date<br><u>5/13/10</u>     | Time<br><u>1500</u>  | Received by (Signature)<br><u>JK Lyle</u>                                                                             |  |  |  |  |  |
| Relinquished by (Signature)                                                                                                                                                                                  |                            | Date                       | Time                 | Received by Lab (Signature)                                                                                           |  |  |  |  |  |
| Laboratory Name: <u>Battelle</u>                                                                                                                                                                             |                            |                            |                      |                                                                                                                       |  |  |  |  |  |
| Laboratory Contract No.:                                                                                                                                                                                     |                            |                            |                      |                                                                                                                       |  |  |  |  |  |
| Samples Disposed by:                                                                                                                                                                                         |                            |                            |                      | Date                                                                                                                  |  |  |  |  |  |
| Matrix Types: A - Air; PR - Product; SD - Sediment; SL - Soil; TI - Tissue WR - Water                                                                                                                        |                            |                            |                      | Distribution: White = Accompanies Shipment; Canary = Lab Copy; Pink = Field Copy; Goldenrod = URS Sample Control Copy |  |  |  |  |  |
| Sample Types Types: ER - Equipment Rinsate; ES - Environmental Sample; FB - Field Blank; TB - Trip Blank                                                                                                     |                            |                            |                      |                                                                                                                       |  |  |  |  |  |

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|                                                                                                                                                                                                             |                                                    |                                     |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------|---------------------|
| Installation ID<br><u>BNC</u>                                                                                                                                                                               |                                                    | Job No.<br><u>33762009</u>          |                     |
| Site ID<br><u>00 B M</u>                                                                                                                                                                                    | Zone ID                                            | Sampling Co.<br><u>URS</u>          |                     |
| Airbill Co./Number<br><u>Hand Deliver</u>                                                                                                                                                                   |                                                    | Shipping Date                       |                     |
| Sample Number                                                                                                                                                                                               | Sample Collection<br>Date (mm/dd/yy) Time (24 Hr.) | Matrix Type                         | Sample Type         |
| 500-G8                                                                                                                                                                                                      | 05/11/10 1250                                      | SD                                  | ES                  |
| 500-G9                                                                                                                                                                                                      | 05/11/10 1320                                      | SD                                  | ES                  |
| 500-G10                                                                                                                                                                                                     | 05/11/10 1355                                      | SD                                  | ES                  |
| 500-G11                                                                                                                                                                                                     | 05/11/10 1425                                      | SD                                  | ES                  |
| 500-G12                                                                                                                                                                                                     | 05/11/10 1500                                      | SD                                  | ES                  |
| 500-G13                                                                                                                                                                                                     | 05/11/10 1530                                      | SD                                  | ES                  |
| 500-G30                                                                                                                                                                                                     | 5/12/10 840                                        | SD                                  | ES                  |
| 500-G34                                                                                                                                                                                                     | 5/12/10 900                                        | SD                                  | ES                  |
| 500-G39                                                                                                                                                                                                     | 5/12/10 943                                        | SD                                  | ES                  |
| 500-G35                                                                                                                                                                                                     | 5/12/10 1017                                       | SD                                  | ES                  |
| Preservation: A = HCL to pH < 2; B = HNO <sub>3</sub> to pH < 2; C = H <sub>2</sub> SO <sub>4</sub> to pH < 2;<br>D = NaOH to pH < 12; E = Other (specify)                                                  |                                                    |                                     |                     |
| Relinquished by: (Signature)<br><u>[Signature]</u>                                                                                                                                                          |                                                    | Date<br><u>5/13/10</u>              | Time<br><u>1420</u> |
| Relinquished by: (Signature)<br><u>[Signature]</u>                                                                                                                                                          |                                                    | Date<br><u>5/13/10</u>              | Time<br><u>1500</u> |
| Relinquished by: (Signature)                                                                                                                                                                                |                                                    | Date                                | Time                |
| Received by: (Signature)<br><u>[Signature]</u>                                                                                                                                                              |                                                    | Laboratory Name:<br><u>Battelle</u> |                     |
| Received by: (Signature)<br><u>[Signature]</u>                                                                                                                                                              |                                                    | Laboratory Contract No.:            |                     |
| Received by Lab: (Signature)                                                                                                                                                                                |                                                    | Samples Disposed by:                |                     |
|                                                                                                                                                                                                             |                                                    | Date                                | Time                |
| Matrix Types: A - Air; PR - Product; SD - Sediment; SL - Soil; TI - Tissue WR - Water Distribution: White = Accompanies Shipment; Canary = Lab Copy; Pink = Field Copy; Goldenrod = URS Sample Control Copy |                                                    |                                     |                     |
| Sample Types Types: ER - Equipment Rinsate; ES - Environmental Sample; FB - Field Blank; TB - Trip Blank                                                                                                    |                                                    |                                     |                     |



**Contact:**

Josie Smith

Phone No.:

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| Installation ID<br>BNC                                                                                                                                                                                      |                   | Job No.<br>33702009 |              |                                                   |
| Site ID<br>OUBM                                                                                                                                                                                             | Zone ID           | Sampling Co.<br>URS |              |                                                   |
| Airbill Co./Number<br>Hand deliver                                                                                                                                                                          |                   | Shipping Date       |              |                                                   |
| Sample Number                                                                                                                                                                                               | Sample Collection |                     | Matrix Type  | Sample Type                                       |
|                                                                                                                                                                                                             | Date (mm/dd/yy)   | Time (24 Hr.)       |              |                                                   |
| 500-G31                                                                                                                                                                                                     | 05/12/10          | 1105                | SD           | ES                                                |
| 500-G36                                                                                                                                                                                                     | 05/12/10          | 1135                | SD           | ES                                                |
| 500-G58                                                                                                                                                                                                     | 05/12/10          | 1250                | SD           | ES                                                |
| 500-G27                                                                                                                                                                                                     | 05/12/10          | 1358                | SD           | ES                                                |
| 500-G33                                                                                                                                                                                                     | 05/12/10          | 1417                | SD           | ES                                                |
| 500-G62                                                                                                                                                                                                     | 05/12/10          | 1457                | SD           | ES                                                |
| 500-G5A                                                                                                                                                                                                     | 05/12/10          | 1525                | SD           | ES                                                |
| 500-G24                                                                                                                                                                                                     | 05/12/10          | 0918                | SD           | ES                                                |
| 500-G25                                                                                                                                                                                                     | 05/13/10          | 0910                | SD           | ES                                                |
| 500-G28                                                                                                                                                                                                     | 05/12/10          | 0940                | SD           | ES                                                |
| Preservation: A = HCL to pH < 2; B = HNO <sub>3</sub> to pH < 2; C = H <sub>2</sub> SO <sub>4</sub> to pH < 2;<br>D = NaOH to pH < 12; E = Other (specify)                                                  |                   |                     |              |                                                   |
| Relinquished by Sampler: (Signature)<br><i>E. L. [Signature]</i>                                                                                                                                            |                   | Date<br>5/12/10     | Time<br>1420 | Received by: (Signature)<br><i>BK [Signature]</i> |
| Relinquished by: (Signature)<br><i>RK [Signature]</i>                                                                                                                                                       |                   | Date<br>5/13/10     | Time<br>1500 | Received by: (Signature)<br><i>[Signature]</i>    |
| Relinquished by: (Signature)                                                                                                                                                                                |                   | Date                | Time         | Received by Lab: (Signature)                      |
| Laboratory Name:<br>BuHelle                                                                                                                                                                                 |                   |                     |              | Laboratory Contract No.:                          |
| Samples Disposed by:                                                                                                                                                                                        |                   |                     |              | Date                                              |
|                                                                                                                                                                                                             |                   |                     |              | Time                                              |
| Matrix Types: A - Air; PR - Product; SD - Sediment; SL - Soil; T1 - Tissue WR - Water Distribution: White = Accompanies Shipment; Canary = Lab Copy; Pink = Field Copy; Goldenrod = URS Sample Control Copy |                   |                     |              |                                                   |
| Sample Types Types: ER - Equipment Rinsate; ES - Environmental Sample; FB - Field Blank; TB - Trip Blank                                                                                                    |                   |                     |              |                                                   |

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| Installation ID<br><u>BNC</u>                                                                                                                                                                               |                     | Job No.<br><u>33762009</u> |                     |                                               |
| Site ID<br><u>OUBM</u>                                                                                                                                                                                      | Zone ID<br><u>-</u> | Sampling Co.<br><u>URS</u> |                     |                                               |
| Airbill Co./Number<br><u>Hand Delivered</u>                                                                                                                                                                 |                     | Shipping Date              |                     |                                               |
| Sample Number                                                                                                                                                                                               | Sample Collection   |                            | Matrix Type         | Sample Type                                   |
|                                                                                                                                                                                                             | Date (mm/dd/yy)     | Time (24 Hr.)              |                     |                                               |
| 500-G26                                                                                                                                                                                                     | 05/13/10            | 1040                       | SD                  | ES                                            |
| 500-G29                                                                                                                                                                                                     | 05/13/10            | 1105                       | SD                  | ES                                            |
| 500-G32                                                                                                                                                                                                     | 05/13/10            | 1135                       | SD                  | ES                                            |
| 500-G38                                                                                                                                                                                                     | 05/13/10            | 1300                       | SD                  | ES                                            |
| 500-G71                                                                                                                                                                                                     | 05/13/10            | 1400                       | SD                  | ES                                            |
| Dupl 051110                                                                                                                                                                                                 | 05/11               |                            |                     |                                               |
|                                                                                                                                                                                                             |                     |                            |                     |                                               |
|                                                                                                                                                                                                             |                     |                            |                     |                                               |
|                                                                                                                                                                                                             |                     |                            |                     |                                               |
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|                                                                                                                                                                                                             |                     |                            |                     |                                               |
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|                                                                                                                                                                                                             |                     |                            |                     |                                               |
|                                                                                                                                                                                                             |                     |                            |                     |                                               |
| Preservation: A = HCL to pH < 2; B = HNO <sub>3</sub> to pH < 2; C = H <sub>2</sub> SO <sub>4</sub> to pH < 2;<br>D = NaOH to pH < 12; E = Other (specify)                                                  |                     |                            |                     |                                               |
| Relinquished by Sampler (Signature)<br><u>[Signature]</u>                                                                                                                                                   |                     | Date<br><u>5/13/10</u>     | Time<br><u>1420</u> | Received by (Signature)<br><u>[Signature]</u> |
| Relinquished by (Signature)<br><u>[Signature]</u>                                                                                                                                                           |                     | Date<br><u>5/15/2010</u>   | Time<br><u>1500</u> | Received by (Signature)<br><u>[Signature]</u> |
| Relinquished by (Signature)                                                                                                                                                                                 |                     | Date                       | Time                | Received by Lab (Signature)                   |
| Laboratory Name: <u>Ba Helle</u>                                                                                                                                                                            |                     |                            |                     |                                               |
| Laboratory Contract No.:                                                                                                                                                                                    |                     |                            |                     |                                               |
| Samples Disposed by:                                                                                                                                                                                        |                     |                            |                     | Date                                          |
|                                                                                                                                                                                                             |                     |                            |                     | Time                                          |
| Matrix Types: A - Air; PR - Product; SD - Sediment; SL - Soil; TI - Tissue WR - Water Distribution: White = Accompanies Shipment; Canary = Lab Copy; Pink = Field Copy; Goldenrod = URS Sample Control Copy |                     |                            |                     |                                               |
| Sample Types Types: ER - Equipment Rinsate; ES - Environmental Sample; FB - Field Blank; TB - Trip Blank                                                                                                    |                     |                            |                     |                                               |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------|---------------------|------------------------------------------------|
| Installation ID<br><b>BNC</b>                                                                                                                                                                                 |                     | Job No.<br><b>33762009</b>      |                     |                                                |
| Site ID<br><b>02B M</b>                                                                                                                                                                                       | Zone ID<br><b>—</b> | Sampling Co.<br><b>URS</b>      |                     |                                                |
| Airbill Co./Number<br><b>Hand Delivered</b>                                                                                                                                                                   |                     | Shipping Date<br><b>5/20/10</b> |                     |                                                |
| Sample Number                                                                                                                                                                                                 | Sample Collection   |                                 | Matrix Type         | Sample Type                                    |
|                                                                                                                                                                                                               | Date (mm/dd/yy)     | Time (24 Hr.)                   |                     |                                                |
| 500-G14                                                                                                                                                                                                       | 05/18/10            | 0845                            | SD                  | ES                                             |
| 500-G15                                                                                                                                                                                                       | 05/18/10            | 0915                            | SD                  | ES                                             |
| 500-G16                                                                                                                                                                                                       | 05/18/10            | 0945                            | SD                  | ES                                             |
| 500-G17                                                                                                                                                                                                       | 05/18/10            | 1055                            | SD                  | ES                                             |
| 500-G18                                                                                                                                                                                                       | 05/18/10            | 1130                            | SD                  | ES                                             |
| 500-G19                                                                                                                                                                                                       | 05/18/10            | 1200                            | SD                  | ES                                             |
| 500-G20                                                                                                                                                                                                       | 05/18/10            | 1330                            | SD                  | ES                                             |
| 500-G21                                                                                                                                                                                                       | 05/18/10            | 1405                            | SD                  | ES                                             |
| 500-G22                                                                                                                                                                                                       | 05/18/10            | 1445                            | SD                  | ES                                             |
| 500-G23                                                                                                                                                                                                       | 05/18/10            | 1520                            | SD                  | ES                                             |
| Preservation: A = HCL to pH < 2; B = HNO <sub>3</sub> to pH < 2; C = H <sub>2</sub> SO <sub>4</sub> to pH < 2; D = NaOH to pH < 12; E = Other (specify)                                                       |                     |                                 |                     |                                                |
| Relinquished by Sampler: (Signature)<br><i>[Signature]</i>                                                                                                                                                    |                     | Date<br><b>5/20/10</b>          | Time<br><b>0900</b> | Received by: (Signature)<br><i>[Signature]</i> |
| Relinquished by: (Signature)<br><i>[Signature]</i>                                                                                                                                                            |                     | Date<br><b>7-28-10</b>          | Time<br><b>1805</b> | Received by: (Signature)<br><i>[Signature]</i> |
| Relinquished by: (Signature)<br><i>[Signature]</i>                                                                                                                                                            |                     | Date                            | Time                | Received by Lab: (Signature)                   |
| Laboratory Name: <b>Battelle</b>                                                                                                                                                                              |                     |                                 |                     |                                                |
| Laboratory Contract No.:                                                                                                                                                                                      |                     |                                 |                     |                                                |
| Samples Disposed by:                                                                                                                                                                                          |                     |                                 |                     | Date                                           |
|                                                                                                                                                                                                               |                     |                                 |                     | Time                                           |
| Matrix Types: A - Air; PR - Product; SD - Sediment; SL - Soil; TI - Tissue; WR - Water; Distribution: White = Accompanies Shipment; Canary = Lab Copy; Pink = Field Copy; Goldenrod = URS Sample Control Copy |                     |                                 |                     |                                                |
| Sample Types Types: ER - Equipment Rinsate; ES - Environmental Sample; FB - Field Blank; TB - Trip Blank                                                                                                      |                     |                                 |                     |                                                |

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|                                                                                                                                                            |                     |                                |                     |                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------|
| Installation ID<br><b>BUC</b>                                                                                                                              |                     | Job No.<br><b>3376200</b>      |                     |                                                                                                                       |
| Site ID<br><b>OUBM</b>                                                                                                                                     | Zone ID<br><b>—</b> | Sampling Co.<br><b>URS</b>     |                     |                                                                                                                       |
| Airbill Co./Number<br><b>Hand Deliver</b>                                                                                                                  |                     | Shipping Date<br><b>6/1/10</b> |                     |                                                                                                                       |
| Sample Number                                                                                                                                              | Sample Collection   |                                | Matrix Type         | Sample Type                                                                                                           |
|                                                                                                                                                            | Date (mm/dd/yy)     | Time (24 Hr.)                  |                     |                                                                                                                       |
| 1500-G28                                                                                                                                                   | 5/27/10             | 1350                           | SD                  | ES                                                                                                                    |
| 1500-G27                                                                                                                                                   | 5/27/10             | 1320                           | SD                  | ES                                                                                                                    |
| 1500-G23                                                                                                                                                   | 5/27/10             | 1045                           | SD                  | ES                                                                                                                    |
| 1500-G2                                                                                                                                                    | 5/27/10             | 1805                           | SD                  | ES                                                                                                                    |
| 1500-G1                                                                                                                                                    | 5/27/10             | 1830                           | SD                  | ES                                                                                                                    |
| 1500-G4                                                                                                                                                    | 5/27/10             | 1725                           | SD                  | ES                                                                                                                    |
| 1500-G3                                                                                                                                                    | 5/27/10             | 1700                           | SD                  | ES                                                                                                                    |
| 1500-G25                                                                                                                                                   | 5/27/10             | 1145                           | SD                  | ES                                                                                                                    |
| 1500-G24                                                                                                                                                   | 5/27/10             | 1115                           | SD                  | ES                                                                                                                    |
| 1500-G22                                                                                                                                                   | 5/26/10             | 1500                           | SD                  | ES                                                                                                                    |
| Preservation: A = HCL to pH < 2; B = HNO <sub>3</sub> to pH < 2; C = H <sub>2</sub> SO <sub>4</sub> to pH < 2;<br>D = NaOH to pH < 12; E = Other (specify) |                     |                                |                     |                                                                                                                       |
| Relinquished by Sampler (Signature)<br><i>David Lewis</i>                                                                                                  |                     | Date<br><b>6/1/10</b>          | Time<br><b>0930</b> | Received by: (Signature)<br><i>KK</i>                                                                                 |
| Relinquished by: (Signature)<br><i>SPAWAR</i>                                                                                                              |                     | Date<br><b>7-28-10</b>         | Time<br><b>1005</b> | Received by: (Signature)<br><i>Charles Buttone</i>                                                                    |
| Relinquished by: (Signature)<br><i>[Signature]</i>                                                                                                         |                     | Date                           | Time                | Received by Lab: (Signature)                                                                                          |
| Laboratory Name:<br><b>Battelle</b>                                                                                                                        |                     |                                |                     | Laboratory Contract No.:                                                                                              |
| Samples Disposed by:                                                                                                                                       |                     |                                |                     | Date                                                                                                                  |
| Matrix Types: A - Air; PR - Product; SD - Sediment; SL - Soil; TI - Tissue WR - Water                                                                      |                     |                                |                     | Distribution: White = Accompanies Shipment; Canary = Lab Copy; Pink = Field Copy; Goldenrod = URS Sample Control Copy |
| Sample Types Types: ER - Equipment Rinsate; ES - Environmental Sample; FB - Field Blank; TB - Trip Blank                                                   |                     |                                |                     |                                                                                                                       |

# URS

## Chain of Custody

URS Corporation  
1501 4th Avenue, Suite 1400  
Seattle, WA 98101-1616  
206.438.2700

Contact: Josie Smith  
Phone No.: 206-438-2700

Page 2 of 2

|                                                                                                                                                                                                                |                                                       |                                |                     |                                                                                                                                                                                            |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------|--|--|--|------|------|--|--|--|--|-------------|
| Installation ID<br><u>BUC</u>                                                                                                                                                                                  |                                                       | Job No.<br><u>33762009</u>     |                     | <div>Analytical Methods</div> <div>Indicate Any Condition That Would Affect Sample Analysis</div> <div>Indicate Samples Containing Quantities for MS/MSD Analysis</div> <div>Remarks</div> |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
| Site ID<br><u>0UB m</u>                                                                                                                                                                                        | Zone ID<br><u>-</u>                                   | Sampling Co.<br><u>URS</u>     |                     |                                                                                                                                                                                            |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
| Airbill Co./Number<br><u>Hand Deliver</u>                                                                                                                                                                      |                                                       | Shipping Date<br><u>6/1/10</u> |                     |                                                                                                                                                                                            |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
| Sample Number                                                                                                                                                                                                  | Sample Collection<br>Date (mm/dd/yy)    Time (24 Hr.) |                                | Matrix Type         |                                                                                                                                                                                            |                                                     |                                            |  |  |  |      |      |  |  |  |  | Sample Type |
| <u>DUP1-052710</u>                                                                                                                                                                                             | <u>5/21/10</u>                                        | <u>-</u>                       | <u>SD</u>           | <u>ES</u>                                                                                                                                                                                  | <div>NUMBER OF BOTTLES PER ANALYTICAL METHODS</div> |                                            |  |  |  |      |      |  |  |  |  |             |
| <u>1500-621</u>                                                                                                                                                                                                | <u>5/26/10</u>                                        | <u>1425</u>                    | <u>SD</u>           | <u>ES</u>                                                                                                                                                                                  |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
| <u>1500-632</u>                                                                                                                                                                                                | <u>5/27/10</u>                                        | <u>1525</u>                    | <u>SD</u>           | <u>ES</u>                                                                                                                                                                                  |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
| <u>1500-631</u>                                                                                                                                                                                                | <u>5/27/10</u>                                        | <u>1455</u>                    | <u>SD</u>           | <u>ES</u>                                                                                                                                                                                  |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
| <u>1500-629</u>                                                                                                                                                                                                | <u>5/27/10</u>                                        | <u>1430</u>                    | <u>SD</u>           | <u>ES</u>                                                                                                                                                                                  |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
|                                                                                                                                                                                                                |                                                       |                                |                     |                                                                                                                                                                                            |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
|                                                                                                                                                                                                                |                                                       |                                |                     |                                                                                                                                                                                            |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
|                                                                                                                                                                                                                |                                                       |                                |                     |                                                                                                                                                                                            |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
|                                                                                                                                                                                                                |                                                       |                                |                     |                                                                                                                                                                                            |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
|                                                                                                                                                                                                                |                                                       |                                |                     |                                                                                                                                                                                            |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
| Preservation: A = HCL to pH < 2; B = HNO <sub>3</sub> to pH < 2; C = H <sub>2</sub> SO <sub>4</sub> to pH < 2;<br>D = NaOH to pH < 12; E = Other (specify)                                                     |                                                       |                                |                     |                                                                                                                                                                                            |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
| Relinquished by Sampler: (Signature)<br><u>Dave Lewis</u>                                                                                                                                                      |                                                       | Date<br><u>6/1/10</u>          | Time<br><u>0930</u> | Received by: (Signature)<br><u>RIC</u>                                                                                                                                                     |                                                     | Laboratory Name:<br><u>Ba Helle</u>        |  |  |  |      |      |  |  |  |  |             |
| Relinquished by: (Signature)<br><u>SPAWAR</u>                                                                                                                                                                  |                                                       | Date<br><u>7-28-10</u>         | Time<br><u>1805</u> | Received by: (Signature)<br><u>Chris Bottom</u>                                                                                                                                            |                                                     | Laboratory Contract No.:<br><u>7/28/10</u> |  |  |  |      |      |  |  |  |  |             |
| Relinquished by: (Signature)                                                                                                                                                                                   |                                                       | Date                           | Time                | Received by Lab: (Signature)                                                                                                                                                               |                                                     | Samples Disposed by:                       |  |  |  | Date | Time |  |  |  |  |             |
| Matrix Types: A - Air; PR - Product; SD - Sediment; SL - Soil; TI - Tissue WR - Water    Distribution: White = Accompanies Shipment; Canary = Lab Copy; Pink = Field Copy; Goldenrod = URS Sample Control Copy |                                                       |                                |                     |                                                                                                                                                                                            |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |
| Sample Types Types: ER - Equipment Rinsate; ES - Environmental Sample; FB - Field Blank; TB - Trip Blank                                                                                                       |                                                       |                                |                     |                                                                                                                                                                                            |                                                     |                                            |  |  |  |      |      |  |  |  |  |             |

**FORM 11-2**  
**SAMPLE COLLECTION INFORMATION**

[illegible]

| Sample Matrix |                   |     |                   | Sampling Equipment |                                                |    |                  | Sample Types |                                  |       |                                |
|---------------|-------------------|-----|-------------------|--------------------|------------------------------------------------|----|------------------|--------------|----------------------------------|-------|--------------------------------|
| AA            | ambient air       | PP  | precipitate       | B                  | bailer                                         | HA | hand auger       | AB           | ambient condition                | N     | Normal (Regular)               |
| AX            | air               | SBS | subsurface soil   | BS                 | beach seine                                    | HC | hand collected   |              | blank                            | PE    | performance evaluation         |
| BS            | brackish sediment | SE  | sediment          | CC                 | continuous core sampler                        | HK | hook and line    | BIOCON       | bioassay control                 | RD    | regulatory duplicate           |
| DF            | dust/fallout      | SL  | sludge            | CH                 | charcoal sampling tube                         | PP | pump-peristaltic |              | sample                           | SB    | source blank                   |
| DR            | debris/rubble     | SN  | building material | CO                 | core sampler                                   | PU | pump-standard    | BS           | blank spike                      | SBD   | source blank duplicate         |
| EF            | emissions flux    | SO  | soil              | CP                 | pump-centrifugal                               | SK | skimmer          | BSD          | blanks spike dup                 | SD    | matrix spike duplicate         |
| EW            | elutriate water   | SS  | scrapings         | DG                 | drill rig                                      | SS | split spoon      | EB           | equipment blank                  | SPLIT | sample split                   |
| FB            | fibers            | SU  | surface soil      | DT                 | drive tube( geoprobe,<br>direct push, CPT rig) | SY | syringe          | EBD          | equipment blank /<br>rinsate dup | SRM   | standard reference<br>material |
| GR            | gravel            | SW  | swab or wipe      |                    |                                                | T  | shelby tube      | FB           | field blank                      | TB    | trip blank                     |
| GS            | soil gas          | TX  | tissue            | E2                 | pump-electric<br>submersible                   | TB | tedlar bag       | FD           | field duplicate                  | TBD   | trip blank duplicate           |
| IDS           | IDW soil          | W   | water             |                    |                                                | TR | animal trap      | FR           | field replicate                  | TBR   | trip blank replicate           |
| IDW           | IDW water         | WB  | brackish water    | G                  | grab                                           | TL | trawl            | FS           | field spike                      |       |                                |
| LF            | product           | WG  | groundwater       |                    |                                                | VC | vacuum (gas)     | MB           | material blank                   |       |                                |
| MR            | marine sediment   | WM  | marine water      |                    |                                                | VV | van veen         | MS           | matrix spike                     |       |                                |
| NS            | near-surface soil | WS  | surface water     |                    |                                                | W  | swab or wipe     |              |                                  |       |                                |

|                           |              |
|---------------------------|--------------|
| Recorder: Eric Lillywhite | Date: 6/7/10 |
| Checker:                  | Date:        |

**FORM 11-2**  
**SAMPLE COLLECTION INFORMATION**

|                                                    |                                            |                            |                          |
|----------------------------------------------------|--------------------------------------------|----------------------------|--------------------------|
| Installation ID: BNC                               | Establishing Contract ID: N44255-09-D-4100 | Prime Contractor Name: URS |                          |
| Site Name: Operable Unit B (Marine) Outer Boundary | DO/CTO: 0009                               | Establishing Phase:        | Collection Date: 5/19/10 |

| Location Name | Sample Name | Depth Range (feet bgs) |           | Collection Time | Sample Matrix | Sample Type | Sampling Equipment | Composite (Y/N) |
|---------------|-------------|------------------------|-----------|-----------------|---------------|-------------|--------------------|-----------------|
|               |             | Start Depth            | End Depth |                 |               |             |                    |                 |
| 1500-G11      | 1500-G11    | 0                      | 0.33      | 0835            | MR            | N           | WV                 | Y               |
| 1500-G12      | 1500-G12    | 0                      | 0.33      | 0915            | MR            | N           | WV                 | Y               |
| 1500-G12      | DUP1-051910 | 0                      | 0.33      | 0915            | MR            | FD          | WV                 | Y               |
| 1500-G26      | 1500-G26    | 0                      | 0.33      | 0945            | MR            | N           | WV                 | Y               |
| 1500-G30      | 1500-G30    | 0                      | 0.33      | 1020            | MR            | N           | WV                 | Y               |
| 1500-G13      | 1500-G13    | 0                      | 0.33      | 1120            | MR            | N           | WV                 | Y               |
| 1500-G16      | 1500-G16    | 0                      | 0.33      | 1205            | MR            | N           | WV                 | Y               |
| 1500-G17      | 1500-G17    | 0                      | 0.33      | 1310            | MR            | N           | WV                 | Y               |
| 1500-G18      | 1500-G18    | 0                      | 0.33      | 1335            | MR            | N           | WV                 | Y               |
| 1500-G19      | 1500-G19    | 0                      | 0.33      | 1405            | MR            | N           | WV                 | Y               |
| RINSATE       | ER-051119   | 0                      | 0.33      | 1030            | W             | N           | G                  | N               |

Collected 5/4/05 1350 (b)

Sample 21(b)  
Collected at 1405 on 5/19

| Sample Matrix |                   |     |                   | Sampling Equipment |                                                |    |                  | Sample Types |                                  |       |                                |
|---------------|-------------------|-----|-------------------|--------------------|------------------------------------------------|----|------------------|--------------|----------------------------------|-------|--------------------------------|
| AA            | ambient air       | PP  | precipitate       | B                  | bailer                                         | HA | hand auger       | AB           | ambient condition                | N     | Normal (Regular)               |
| AX            | air               | SBS | subsurface soil   | BS                 | beach seine                                    | HC | hand collected   |              | blank                            | PE    | performance evaluation         |
| BS            | brackish sediment | SE  | sediment          | CC                 | continuous core sampler                        | HK | hook and line    | BIOCON       | bioassay control                 | RD    | regulatory duplicate           |
| DF            | dust/fallout      | SL  | sludge            | CH                 | charcoal sampling tube                         | PP | pump-peristaltic |              | sample                           | SB    | source blank                   |
| DR            | debris/rubble     | SN  | building material | CO                 | core sampler                                   | PU | pump-standard    | BS           | blank spike                      | SBD   | source blank duplicate         |
| EF            | emissions flux    | SO  | soil              | CP                 | pump-centrifugal                               | SK | skimmer          | BSD          | blanks spike dup                 | SD    | matrix spike duplicate         |
| EW            | elutriate water   | SS  | scrapings         | DG                 | drill rig                                      | SS | split spoon      | EB           | equipment blank                  | SPLIT | sample split                   |
| FB            | fibers            | SU  | surface soil      | DT                 | drive tube( geoprobe,<br>direct push, CPT rig) | SY | syringe          | EBD          | equipment blank /<br>rinsate dup | SRM   | standard reference<br>material |
| GR            | gravel            | SW  | swab or wipe      |                    |                                                | T  | shelby tube      | FB           | field blank                      | TB    | trip blank                     |
| GS            | soil gas          | TX  | tissue            | E2                 | pump-electric                                  | TB | tedlar bag       | FD           | field duplicate                  | TBD   | trip blank duplicate           |
| IDS           | IDW soil          | W   | water             |                    | submersible                                    | TR | animal trap      | FR           | field replicate                  | TBR   | trip blank replicate           |
| IDW           | IDW water         | WB  | brackish water    | G                  | grab                                           | TL | trawl            | FS           | field spike                      |       |                                |
| LF            | product           | WG  | groundwater       |                    |                                                | VC | vacuum (gas)     | MB           | material blank                   |       |                                |
| MR            | marine sediment   | WM  | marine water      |                    |                                                | VV | van veen         | MS           | matrix spike                     |       |                                |
| NS            | near-surface soil | WS  | surface water     |                    |                                                | W  | swab or wipe     |              |                                  |       |                                |

|                           |              |
|---------------------------|--------------|
| Recorder: Eric Lillywhite | Date: 6/7/10 |
| Checker:                  | Date:        |

**FORM 11-2**  
**SAMPLE COLLECTION INFORMATION**

[illegible]

**FORM 11-2**  
**SAMPLE COLLECTION INFORMATION**

| Installation ID: BNC                |             | Establishing Contract ID: N44255-09-D-4100 |           | Prime Contractor Name: URS |               |                          |                    |                 |
|-------------------------------------|-------------|--------------------------------------------|-----------|----------------------------|---------------|--------------------------|--------------------|-----------------|
| Site Name: Operable Unit B (Marine) |             | DO/CTO: 0009                               |           | Establishing Phase:        |               | Collection Date: 5/10/10 |                    |                 |
| Location Name                       | Sample Name | Depth Range (feet bgs)                     |           | Collection Time            | Sample Matrix | Sample Type              | Sampling Equipment | Composite (Y/N) |
|                                     |             | Start Depth                                | End Depth |                            |               |                          |                    |                 |
| 500-G40                             | 500-G40     | 0                                          | 0.33      | 0840                       | MR            | N                        | VV                 | Y               |
| 500-G41                             | 500-G41     | 0                                          | 0.33      | 0920                       | MR            | N                        | VV                 | Y               |
| 500-G42                             | 500-G42     | 0                                          | 0.33      | 0950                       | MR            | N                        | VV                 | Y               |
| 500-G42                             | DUP1-051010 | 0                                          | 0.33      | 0950                       | MR            | FD                       | VV                 | Y               |
| 500-G43                             | 500-G43     | 0                                          | 0.33      | 1040                       | MR            | N                        | VV                 | Y               |
| 500-G45                             | 500-G45     | 0                                          | 0.33      | 1130                       | MR            | N                        | VV                 | Y               |
| 500-G46                             | 500-G46     | 0                                          | 0.33      | 1210                       | MR            | N                        | VV                 | Y               |
| 500-G47                             | 500-G47     | 0                                          | 0.33      | 1315                       | MR            | N                        | VV                 | Y               |
| 500-G49                             | 500-G49     | 0                                          | 0.33      | 1350                       | MR            | N                        | VV                 | Y               |
| 500-G51                             | 500-G51     | 0                                          | 0.33      | 1450                       | MR            | N                        | VV                 | Y               |
| 500-G48                             | 500-G48     | 0                                          | 0.33      | 1530                       | MR            | N                        | VV                 | Y               |
| 500-G44                             | 500-G44     | 0                                          | 0.33      | 1545                       | MR            | N                        | VV                 | Y               |
| RINSATE                             | ER-051010   | --                                         | --        | 1600                       | W             | EB                       | G                  | N               |
|                                     |             |                                            |           |                            |               |                          |                    |                 |
|                                     |             |                                            |           |                            |               |                          |                    |                 |
|                                     |             |                                            |           |                            |               |                          |                    |                 |
|                                     |             |                                            |           |                            |               |                          |                    |                 |
|                                     |             |                                            |           |                            |               |                          |                    |                 |
|                                     |             |                                            |           |                            |               |                          |                    |                 |
|                                     |             |                                            |           |                            |               |                          |                    |                 |
|                                     |             |                                            |           |                            |               |                          |                    |                 |
|                                     |             |                                            |           |                            |               |                          |                    |                 |
|                                     |             |                                            |           |                            |               |                          |                    |                 |
|                                     |             |                                            |           |                            |               |                          |                    |                 |

| Sample Matrix |                   |     | Sampling Equipment |    |                                             | Sample Types |                  |        |                               |       |                             |
|---------------|-------------------|-----|--------------------|----|---------------------------------------------|--------------|------------------|--------|-------------------------------|-------|-----------------------------|
| AA            | ambient air       | PP  | precipitate        | B  | bailer                                      | HA           | hand auger       | AB     | ambient condition             | N     | Normal (Regular)            |
| AX            | air               | SBS | subsurface soil    | BS | beach seine                                 | HC           | hand collected   |        | blank                         | PE    | performance evaluation      |
| BS            | brackish sediment | SE  | sediment           | CC | continuous core sampler                     | HK           | hook and line    | BIOCON | bioassay control              | RD    | regulatory duplicate        |
| DF            | dust/fallout      | SL  | sludge             | CH | charcoal sampling tube                      | PP           | pump-peristaltic |        | sample                        | SB    | source blank                |
| DR            | debris/rubble     | SN  | building material  | CO | core sampler                                | PU           | pump-standard    | BS     | blank spike                   | SBD   | source blank duplicate      |
| EF            | emissions flux    | SO  | soil               | CP | pump-centrifugal                            | SK           | skimmer          | BSD    | blanks spike dup              | SD    | matrix spike duplicate      |
| EW            | elutriate water   | SS  | scrappings         | DG | drill rig                                   | SS           | split spoon      | EB     | equipment blank               | SPLIT | sample split                |
| FB            | fibers            | SU  | surface soil       | DT | drive tube( genprobe, direct push, CPT rig) | SY           | syringe          | EBD    | equipment blank / rinsate dup | SRM   | standard reference material |
| GR            | gravel            | SW  | swab or wipe       | E2 | pump-electric                               | T            | shelby tube      | FB     | field blank                   | TB    | trip blank                  |
| GS            | soil gas          | TX  | tissue             |    | submersible                                 | TB           | tedlar bag       | FD     | field duplicate               | TBD   | trip blank duplicate        |
| IDS           | IDW soil          | W   | water              | G  | grab                                        | TR           | animal trap      | FR     | field replicate               | TBR   | trip blank replicate        |
| IDW           | IDW water         | WB  | brackish water     |    |                                             | TL           | trawl            | FS     | field spike                   |       |                             |
| LF            | product           | WG  | groundwater        |    |                                             | VC           | vacuum (gas)     | MB     | material blank                |       |                             |
| MR            | marine sediment   | WM  | marine water       |    |                                             | VV           | van veen         | MS     | matrix spike                  |       |                             |
| NS            | near-surface soil | WS  | surface water      |    |                                             | W            | swab or wipe     |        |                               |       |                             |

|                           |  |              |
|---------------------------|--|--------------|
| Recorder: Eric Lillywhite |  | Date: 6/7/10 |
| Checker:                  |  | Date:        |

**FORM 11-2  
SAMPLE COLLECTION INFORMATION**

|                                     |  |                                            |  |                            |  |
|-------------------------------------|--|--------------------------------------------|--|----------------------------|--|
| Installation ID: BNC                |  | Establishing Contract ID: N44255-09-D-4100 |  | Prime Contractor Name: URS |  |
| Site Name: Operable Unit B (Marine) |  | DO/CTO: 0009                               |  | Establishing Phase:        |  |
|                                     |  |                                            |  | Collection Date: 5/11/10   |  |

  

| Location Name | Sample Name | Depth Range (feet bgs) |           | Collection Time | Sample Matrix | Sample Type | Sampling Equipment | Composite (Y/N) |
|---------------|-------------|------------------------|-----------|-----------------|---------------|-------------|--------------------|-----------------|
|               |             | Start Depth            | End Depth |                 |               |             |                    |                 |
| 500-G01       | 500-G1      | 0                      | 0.33      | 0810            | MR            | N           | VV                 | Y               |
| 500-G02       | 500-G2      | 0                      | 0.33      | 0840            | MR            | N           | VV                 | Y               |
| 500-G03       | 500-G3      | 0                      | 0.33      | 0900            | MR            | N           | VV                 | Y               |
| 500-G04       | 500-G4      | 0                      | 0.33      | 0935            | MR            | N           | VV                 | Y               |
| 500-G05       | 500-G5      | 0                      | 0.33      | 1020            | MR            | N           | VV                 | Y               |
| 500-G06       | 500-G6      | 0                      | 0.33      | 1130            | MR            | N           | VV                 | Y               |
| 500-G07       | 500-G7      | 0                      | 0.33      | 1155            | MR            | N           | VV                 | Y               |
| 500-G08       | 500-G8      | 0                      | 0.33      | 1250            | MR            | N           | VV                 | Y               |
| 500-G09       | 500-G9      | 0                      | 0.33      | 1320            | MR            | N           | VV                 | Y               |
| 500-G10       | 500-G10     | 0                      | 0.33      | 1355            | MR            | N           | VV                 | Y               |
| 500-G11       | 500-G11     | 0                      | 0.33      | 1425            | MR            | N           | VV                 | Y               |
| 500-G11       | DUP1 051110 | 0                      | 0.33      | 1425            | MR            | FD          | VV                 | Y               |
| 500-G12       | 500-G12     | 0                      | 0.33      | 1500            | MR            | N           | VV                 | Y               |
| 500-G13       | 500-G13     | 0                      | 0.33      | 1530            | MR            | N           | VV                 | Y               |
| RINSATE       | ER-051110   | --                     | --        | 1050            | W             | EB          | G                  | N               |
|               |             |                        |           |                 |               |             |                    |                 |
|               |             |                        |           |                 |               |             |                    |                 |
|               |             |                        |           |                 |               |             |                    |                 |
|               |             |                        |           |                 |               |             |                    |                 |
|               |             |                        |           |                 |               |             |                    |                 |
|               |             |                        |           |                 |               |             |                    |                 |
|               |             |                        |           |                 |               |             |                    |                 |
|               |             |                        |           |                 |               |             |                    |                 |

  

| Sample Matrix        |                      | Sampling Equipment                             |                     | Sample Types                      |                                 |
|----------------------|----------------------|------------------------------------------------|---------------------|-----------------------------------|---------------------------------|
| AA ambient air       | PP precipitate       | B bailer                                       | HA hand auger       | AB ambient condition              | N Normal (Regular)              |
| AX air               | SBS subsurface soil  | BS beach seine                                 | HC hand collected   |                                   | PE performance evaluation       |
| BS brackish sediment | SE sediment          | CC continuous core sampler                     | HK hook and line    | BIOCON bioassay control           | RD regulatory duplicate         |
| DF dust/fallout      | SL sludge            | CH charcoal sampling tube                      | PP pump-peristaltic |                                   | SB source blank                 |
| DR debris/rubble     | SN building material | CO core sampler                                | PU pump-standard    | BS blank spike                    | SBD source blank duplicate      |
| EF emissions flux    | SO soil              | CP pump-centrifugal                            | SK skimmer          | BSD blanks spike dup              | SD matrix spike duplicate       |
| EW elutriate water   | SS scrapings         | DG drill rig                                   | SS split spoon      | EB equipment blank                | SPLIT sample split              |
| FB fibers            | SU surface soil      | DT drive tube( geoprobe, direct push, CPT rig) | SY syringe          | EBD equipment blank / rinsate dup | SRM standard reference material |
| GR gravel            | SW swab or wipe      | E2 pump-electric                               | T shelly tube       | FB field blank                    | TB trip blank                   |
| GS soil gas          | TX tissue            | G grab                                         | TB tedlar bag       | FD field duplicate                | TBD trip blank duplicate        |
| IDS IDW soil         | W water              |                                                | TR animal trap      | FR field replicate                | TBR trip blank replicate        |
| IDW IDW water        | WB brackish water    |                                                | TL trawl            | FS field spike                    |                                 |
| LF product           | WG groundwater       |                                                | VC vacuum (gas)     | MB material blank                 |                                 |
| MR marine sediment   | WM marine water      |                                                | VV van veen         | MS matrix spike                   |                                 |
| NS near-surface soil | WS surface water     |                                                | W swab or wipe      |                                   |                                 |

  

|                           |  |              |
|---------------------------|--|--------------|
| Recorder: Eric Lillywhite |  | Date: 6/7/10 |
| Checker:                  |  | Date:        |

**FORM 11-2**  
**SAMPLE COLLECTION INFORMATION**

[illegible]

# **SAMPLE LOGIN**



Project Manager: JMB

Date Received: Assorted (see COC) - After splits, samples logged in 7/30/10

Batch: 1

Login Designee: Csuslick

Marine Sciences Laboratory

1529 West Sequim Bay Road

Sequim, Washington 98382

PH: (360) 681-4565

Project: **ENVVEST Sed Eval Study** SQV02\_Metals

| SPONSOR CODE | Site Description | BATTELLE CODE | MATRIX | STORAGE LOCATION | PARAMETERS REQUESTED | COLLECTION DATE | INITIALS | Selected for confirmation |
|--------------|------------------|---------------|--------|------------------|----------------------|-----------------|----------|---------------------------|
| 1500-G1      | NA               | 3151-1        | SED    | Deep Freezer     | Metals               | 5/27/2010       | CS       | x                         |
| 1500-G2      | NA               | 3151-2        | SED    | Deep Freezer     | Metals               | 5/27/2010       | CS       |                           |
| 1500-G3      | NA               | 3151-3        | SED    | Deep Freezer     | Metals               | 5/27/2010       | CS       | x                         |
| 1500-G4      | NA               | 3151-4        | SED    | Deep Freezer     | Metals               | 5/27/2010       | CS       |                           |
| 1500-G5      | NA               | 3151-5        | SED    | Deep Freezer     | Metals               | 5/5/2010        | CS       |                           |
| 1500-G6      | NA               | 3151-6        | SED    | Deep Freezer     | Metals               | 5/5/2010        | CS       |                           |
| 1500-G7      | NA               | 3151-7        | SED    | Deep Freezer     | Metals               | 5/5/2010        | CS       |                           |
| 1500-G8      | NA               | 3151-8        | SED    | Deep Freezer     | Metals               | 5/5/2010        | CS       |                           |
| 1500-G9      | NA               | 3151-9        | SED    | Deep Freezer     | Metals               | 5/5/2010        | CS       |                           |
| 1500-G10     | NA               | 3151-10       | SED    | Deep Freezer     | Metals               | 5/5/2010        | CS       |                           |
| 1500-G11     | NA               | 3151-11       | SED    | Deep Freezer     | Metals               | 5/19/2010       | CS       |                           |
| 1500-G12     | NA               | 3151-12       | SED    | Deep Freezer     | Metals               | 5/19/2010       | CS       | x                         |
| DUP1-051910  | NA               | 3151-13       | SED    | Deep Freezer     | Metals               | 5/19/2010       | CS       |                           |
| 1500-G13     | NA               | 3151-14       | SED    | Deep Freezer     | Metals               | 5/19/2010       | CS       |                           |
| 1500-G14     | NA               | 3151-15       | SED    | Deep Freezer     | Metals               | 5/4/2010        | CS       |                           |
| DUP1-050410  | NA               | 3151-16       | SED    | Deep Freezer     | Metals               | 5/4/2010        | CS       |                           |
| 1500-G15     | NA               | 3151-17       | SED    | Deep Freezer     | Metals               | 5/4/2010        | CS       |                           |
| 1500-G16     | NA               | 3151-18       | SED    | Deep Freezer     | Metals               | 5/19/2010       | CS       |                           |
| 1500-G17     | NA               | 3151-19       | SED    | Deep Freezer     | Metals               | 5/19/2010       | CS       |                           |
| 1500-G18     | NA               | 3151-20       | SED    | Deep Freezer     | Metals               | 5/19/2010       | CS       |                           |

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Batch: 1

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Marine Sciences Laboratory

1529 West Sequim Bay Road

Sequim, Washington 98382

PH: (360) 681-4565

Project: **ENVVEST Sed Eval Study** SQV02\_Metals

| SPONSOR CODE | Site Description | BATTELLE CODE | MATRIX | STORAGE LOCATION | PARAMETERS REQUESTED | COLLECTION DATE | INITIALS | Selected for confirmation |
|--------------|------------------|---------------|--------|------------------|----------------------|-----------------|----------|---------------------------|
| 1500-G19     | NA               | 3151-21       | SED    | Deep Freezer     | Metals               | 5/4/2010        | CS       | x                         |
| 1500-G20     | NA               | 3151-22       | SED    | Deep Freezer     | Metals               | 5/19/2010       | CS       |                           |
| 1500-G21     | NA               | 3151-23       | SED    | Deep Freezer     | Metals               | 5/27/2010       | CS       |                           |
| 1500-G22     | NA               | 3151-24       | SED    | Deep Freezer     | Metals               | 5/26/2010       | CS       | x                         |
| 1500-G23     | NA               | 3151-25       | SED    | Deep Freezer     | Metals               | 5/27/2010       | CS       | x                         |
| DUP1-052710  | NA               | 3151-26       | SED    | Deep Freezer     | Metals               | 5/27/2010       | CS       |                           |
| 1500-G24     | NA               | 3151-27       | SED    | Deep Freezer     | Metals               | 5/27/2010       | CS       | x                         |
| 1500-G25     | NA               | 3151-28       | SED    | Deep Freezer     | Metals               | 5/27/2010       | CS       | x                         |
| 1500-G26     | NA               | 3151-29       | SED    | Deep Freezer     | Metals               | 5/19/2010       | CS       |                           |
| 1500-G27     | NA               | 3151-30       | SED    | Deep Freezer     | Metals               | 5/27/2010       | CS       | x                         |
| 1500-G28     | NA               | 3151-31       | SED    | Deep Freezer     | Metals               | 5/27/2010       | CS       |                           |
| 1500-G29     | NA               | 3151-32       | SED    | Deep Freezer     | Metals               | 5/27/2010       | CS       | x                         |
| 1500-G30     | NA               | 3151-33       | SED    | Deep Freezer     | Metals               | 5/19/2010       | CS       |                           |
| 1500-G31     | NA               | 3151-34       | SED    | Deep Freezer     | Metals               | 5/27/2010       | CS       |                           |
| 1500-G32     | NA               | 3151-35       | SED    | Deep Freezer     | Metals               | 5/27/2010       | CS       | x                         |
| 500-G1       | NA               | 3151-36       | SED    | Deep Freezer     | Metals               | 5/11/2010       | CS       |                           |
| 500-G2       | NA               | 3151-37       | SED    | Deep Freezer     | Metals               | 5/11/2010       | CS       |                           |
| 500-G3       | NA               | 3151-38       | SED    | Deep Freezer     | Metals               | 5/11/2010       | CS       |                           |
| 500-G4       | NA               | 3151-39       | SED    | Deep Freezer     | Metals               | 5/11/2010       | CS       |                           |
| 500-G5       | NA               | 3151-40       | SED    | Deep Freezer     | Metals               | 5/11/2010       | CS       |                           |

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Marine Sciences Laboratory

1529 West Sequim Bay Road

Sequim, Washington 98382

PH: (360) 681-4565

Project: **ENVVEST Sed Eval Study** SQV02\_Metals

| SPONSOR CODE | Site Description | BATTELLE CODE | MATRIX | STORAGE LOCATION | PARAMETERS REQUESTED | COLLECTION DATE | INITIALS | Selected for confirmation |
|--------------|------------------|---------------|--------|------------------|----------------------|-----------------|----------|---------------------------|
| 500-G6       | NA               | 3151-41       | SED    | Deep Freezer     | Metals               | 5/11/2010       | CS       |                           |
| 500-G7       | NA               | 3151-42       | SED    | Deep Freezer     | Metals               | 5/11/2010       | CS       |                           |
| 500-G8       | NA               | 3151-43       | SED    | Deep Freezer     | Metals               | 5/11/2010       | CS       |                           |
| 500-G9       | NA               | 3151-44       | SED    | Deep Freezer     | Metals               | 5/11/2010       | CS       |                           |
| 500-G10      | NA               | 3151-45       | SED    | Deep Freezer     | Metals               | 5/11/2010       | CS       |                           |
| 500-G11      | NA               | 3151-46       | SED    | Deep Freezer     | Metals               | 5/11/2010       | CS       |                           |
| DUP1 051110  | NA               | 3151-47       | SED    | Deep Freezer     | Metals               | 5/11/2010       | CS       |                           |
| 500-G12      | NA               | 3151-48       | SED    | Deep Freezer     | Metals               | 5/11/2010       | CS       | x                         |
| 500-G13      | NA               | 3151-49       | SED    | Deep Freezer     | Metals               | 5/11/2010       | CS       |                           |
| 500-G14      | NA               | 3151-50       | SED    | Deep Freezer     | Metals               | 5/18/2010       | CS       | x                         |
| 500-G15      | NA               | 3151-51       | SED    | Deep Freezer     | Metals               | 5/18/2010       | CS       |                           |
| 500-G16      | NA               | 3151-52       | SED    | Deep Freezer     | Metals               | 5/18/2010       | CS       |                           |
| 500-G17      | NA               | 3151-53       | SED    | Deep Freezer     | Metals               | 5/18/2010       | CS       |                           |
| 500-G18      | NA               | 3151-54       | SED    | Deep Freezer     | Metals               | 5/18/2010       | CS       |                           |
| 500-G19      | NA               | 3151-55       | SED    | Deep Freezer     | Metals               | 5/18/2010       | CS       | x                         |
| 500-G20      | NA               | 3151-56       | SED    | Deep Freezer     | Metals               | 5/18/2010       | CS       |                           |
| 500-G21      | NA               | 3151-57       | SED    | Deep Freezer     | Metals               | 5/18/2010       | CS       |                           |
| 500-G22      | NA               | 3151-58       | SED    | Deep Freezer     | Metals               | 5/18/2010       | CS       |                           |
| 500-G23      | NA               | 3151-59       | SED    | Deep Freezer     | Metals               | 5/18/2010       | CS       |                           |
| 500-G24      | NA               | 3151-60       | SED    | Deep Freezer     | Metals               | 5/13/2010       | CS       |                           |

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Marine Sciences Laboratory

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Sequim, Washington 98382

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|--------------|------------------|---------------|--------|------------------|----------------------|-----------------|----------|---------------------------|
| 500-G25      | NA               | 3151-61       | SED    | Deep Freezer     | Metals               | 5/13/2010       | CS       |                           |
| 500-G26      | NA               | 3151-62       | SED    | Deep Freezer     | Metals               | 5/13/2010       | CS       |                           |
| 500-G27      | NA               | 3151-63       | SED    | Deep Freezer     | Metals               | 5/12/2010       | CS       |                           |
| 500-G28      | NA               | 3151-64       | SED    | Deep Freezer     | Metals               | 5/13/2010       | CS       |                           |
| 500-G29      | NA               | 3151-65       | SED    | Deep Freezer     | Metals               | 5/13/2010       | CS       |                           |
| 500-G30      | NA               | 3151-66       | SED    | Deep Freezer     | Metals               | 5/12/2010       | CS       | x                         |
| 500-G31      | NA               | 3151-67       | SED    | Deep Freezer     | Metals               | 5/12/2010       | CS       |                           |
| 500-G32      | NA               | 3151-68       | SED    | Deep Freezer     | Metals               | 5/13/2010       | CS       |                           |
| 500-G33      | NA               | 3151-69       | SED    | Deep Freezer     | Metals               | 5/12/2010       | CS       |                           |
| 500-G34      | NA               | 3151-70       | SED    | Deep Freezer     | Metals               | 5/12/2010       | CS       |                           |
| 500-G35      | NA               | 3151-71       | SED    | Deep Freezer     | Metals               | 5/12/2010       | CS       |                           |
| 500-G36      | NA               | 3151-72       | SED    | Deep Freezer     | Metals               | 5/12/2010       | CS       |                           |
| 500-G37      | NA               | 3151-73       | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |                           |
| 500-G38      | NA               | 3151-74       | SED    | Deep Freezer     | Metals               | 5/13/2010       | CS       | x                         |
| 500-G39      | NA               | 3151-75       | SED    | Deep Freezer     | Metals               | 5/12/2010       | CS       | x                         |
| 500-G40      | NA               | 3151-76       | SED    | Deep Freezer     | Metals               | 5/10/2010       | CS       |                           |
| 500-G41      | NA               | 3151-77       | SED    | Deep Freezer     | Metals               | 5/10/2010       | CS       |                           |
| 500-G42      | NA               | 3151-78       | SED    | Deep Freezer     | Metals               | 5/10/2010       | CS       |                           |
| DUP1-051010  | NA               | 3151-79       | SED    | Deep Freezer     | Metals               | 5/10/2010       | CS       |                           |
| 500-G43      | NA               | 3151-80       | SED    | Deep Freezer     | Metals               | 5/10/2010       | CS       | x                         |

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Project: **ENVVEST Sed Eval Study** SQV02\_Metals

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|--------------|------------------|---------------|--------|------------------|----------------------|-----------------|----------|---------------------------|
| 500-G44      | NA               | 3151-81       | SED    | Deep Freezer     | Metals               | 5/10/2010       | CS       | x                         |
| 500-G45      | NA               | 3151-82       | SED    | Deep Freezer     | Metals               | 5/10/2010       | CS       |                           |
| 500-G46      | NA               | 3151-83       | SED    | Deep Freezer     | Metals               | 5/10/2010       | CS       | x                         |
| 500-G47      | NA               | 3151-84       | SED    | Deep Freezer     | Metals               | 5/10/2010       | CS       |                           |
| 500-G48      | NA               | 3151-85       | SED    | Deep Freezer     | Metals               | 5/10/2010       | CS       |                           |
| 500-G49      | NA               | 3151-86       | SED    | Deep Freezer     | Metals               | 5/10/2010       | CS       |                           |
| 500-G50      | NA               | 3151-87       | SED    | Deep Freezer     | Metals               | 5/7/2010        | CS       |                           |
| 500-G51      | NA               | 3151-88       | SED    | Deep Freezer     | Metals               | 5/10/2010       | CS       | x                         |
| 500-G52      | NA               | 3151-89       | SED    | Deep Freezer     | Metals               | 5/7/2010        | CS       | x                         |
| 500-G53      | NA               | 3151-90       | SED    | Deep Freezer     | Metals               | 5/7/2010        | CS       | x                         |
| 500-G54      | NA               | 3151-91       | SED    | Deep Freezer     | Metals               | 5/12/2010       | CS       | x                         |
| 500-G55      | NA               | 3151-92       | SED    | Deep Freezer     | Metals               | 5/7/2010        | CS       |                           |
| 500-G56      | NA               | 3151-93       | SED    | Deep Freezer     | Metals               | 5/7/2010        | CS       |                           |
| 500-G57      | NA               | 3151-94       | SED    | Deep Freezer     | Metals               | 5/7/2010        | CS       |                           |
| 500-G58      | NA               | 3151-95       | SED    | Deep Freezer     | Metals               | 5/12/2010       | CS       |                           |
| 500-G59      | NA               | 3151-96       | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |                           |
| 500-G60      | NA               | 3151-97       | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       | x                         |
| 500-G61      | NA               | 3151-98       | SED    | Deep Freezer     | Metals               | 5/7/2010        | CS       | x                         |
| 500-G62      | NA               | 3151-99       | SED    | Deep Freezer     | Metals               | 5/12/2010       | CS       |                           |
| 500-G63      | NA               | 3151-100      | SED    | Deep Freezer     | Metals               | 5/7/2010        | CS       |                           |

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|--------------|------------------|---------------|--------|------------------|----------------------|-----------------|----------|---------------------------|
| 500-G64      | NA               | 3151-101      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |                           |
| 500-G65      | NA               | 3151-102      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       | x                         |
| 500-G66      | NA               | 3151-103      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |                           |
| 500-G67      | NA               | 3151-104      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       | x                         |
| 500-G68      | NA               | 3151-105      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       | x                         |
| DUP1-050610  | NA               | 3151-106      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |                           |
| 500-G69      | NA               | 3151-107      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |                           |
| 500-G70      | NA               | 3151-108      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |                           |
| 500-G71      | NA               | 3151-109      | SED    | Deep Freezer     | Metals               | 5/13/2010       | CS       | x                         |
| PQ1          | NA               | 3151-110      | SED    | Walk in Freezer  | Metals               | 7/27/2010       | CS       |                           |
| PQ2          | NA               | 3151-111      | SED    | Walk in Freezer  | Metals               | 7/27/2010       | CS       |                           |
| DD6-1        | NA               | 3151-112      | SED    | Walk in Freezer  | Metals               | 7/15/2010       | CS       |                           |
| DD6-4        | NA               | 3151-113      | SED    | Walk in Freezer  | Metals               | 7/15/2010       | CS       |                           |
| DD6-7        | NA               | 3151-114      | SED    | Walk in Freezer  | Metals               | 7/26/2010       | CS       |                           |

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Sequim, Washington 98382

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Project: **ENVVEST Sed Eval Study**

**SQV02\_Organics**

| SPONSOR CODE | Site Description | BATTELLE CODE | MATRIX | STORAGE LOCATION | PARAMETERS REQUESTED | COLLECTION DATE | INITIALS | Selected for confirmation |
|--------------|------------------|---------------|--------|------------------|----------------------|-----------------|----------|---------------------------|
| 1500-G1      | NA               | 3151-115      | SED    | Walkin Freezer   | Organics             | 5/27/2010       | CS       |                           |
| 1500-G2      | NA               | 3151-116      | SED    | Walkin Freezer   | Organics             | 5/27/2010       | CS       |                           |
| 1500-G3      | NA               | 3151-117      | SED    | Walkin Freezer   | Organics             | 5/27/2010       | CS       |                           |
| 1500-G4      | NA               | 3151-118      | SED    | Walkin Freezer   | Organics             | 5/27/2010       | CS       |                           |
| 1500-G5      | NA               | 3151-119      | SED    | Walkin Freezer   | Organics             | 5/5/2010        | CS       |                           |
| 1500-G6      | NA               | 3151-120      | SED    | Walkin Freezer   | Organics             | 5/5/2010        | CS       |                           |
| 1500-G7      | NA               | 3151-121      | SED    | Walkin Freezer   | Organics             | 5/5/2010        | CS       |                           |
| 1500-G8      | NA               | 3151-122      | SED    | Walkin Freezer   | Organics             | 5/5/2010        | CS       |                           |
| 1500-G9      | NA               | 3151-123      | SED    | Walkin Freezer   | Organics             | 5/5/2010        | CS       |                           |
| 1500-G10     | NA               | 3151-124      | SED    | Walkin Freezer   | Organics             | 5/5/2010        | CS       |                           |
| 1500-G11     | NA               | 3151-125      | SED    | Walkin Freezer   | Organics             | 5/19/2010       | CS       |                           |
| 1500-G12     | NA               | 3151-126      | SED    | Walkin Freezer   | Organics             | 5/19/2010       | CS       |                           |
| DUP1-051910  | NA               | 3151-127      | SED    | Walkin Freezer   | Organics             | 5/19/2010       | CS       |                           |
| 1500-G13     | NA               | 3151-128      | SED    | Walkin Freezer   | Organics             | 5/19/2010       | CS       |                           |
| 1500-G14     | NA               | 3151-129      | SED    | Walkin Freezer   | Organics             | 5/4/2010        | CS       |                           |
| DUP1-050410  | NA               | 3151-130      | SED    | Walkin Freezer   | Organics             | 5/4/2010        | CS       |                           |
| 1500-G15     | NA               | 3151-131      | SED    | Walkin Freezer   | Organics             | 5/4/2010        | CS       |                           |
| 1500-G16     | NA               | 3151-132      | SED    | Walkin Freezer   | Organics             | 5/19/2010       | CS       |                           |
| 1500-G17     | NA               | 3151-133      | SED    | Walkin Freezer   | Organics             | 5/19/2010       | CS       |                           |
| 1500-G18     | NA               | 3151-134      | SED    | Walkin Freezer   | Organics             | 5/19/2010       | CS       |                           |

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Project: **ENVVEST Sed Eval Study**

SQV02\_Organics

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|--------------|------------------|---------------|--------|------------------|----------------------|-----------------|----------|---------------------------|
| 1500-G19     | NA               | 3151-135      | SED    | Walkin Freezer   | Organics             | 5/4/2010        | CS       |                           |
| 1500-G20     | NA               | 3151-136      | SED    | Walkin Freezer   | Organics             | 5/19/2010       | CS       |                           |
| 1500-G21     | NA               | 3151-137      | SED    | Walkin Freezer   | Organics             | 5/27/2010       | CS       |                           |
| 1500-G22     | NA               | 3151-138      | SED    | Walkin Freezer   | Organics             | 5/26/2010       | CS       |                           |
| 1500-G23     | NA               | 3151-139      | SED    | Walkin Freezer   | PAHs                 | 5/27/2010       | CS       | x                         |
| DUP1-052710  | NA               | 3151-140      | SED    | Walkin Freezer   | Organics             | 5/27/2010       | CS       |                           |
| 1500-G24     | NA               | 3151-141      | SED    | Walkin Freezer   | Organics             | 5/27/2010       | CS       |                           |
| 1500-G25     | NA               | 3151-142      | SED    | Walkin Freezer   | PAHs                 | 5/27/2010       | CS       | x                         |
| 1500-G26     | NA               | 3151-143      | SED    | Walkin Freezer   | PAHs                 | 5/19/2010       | CS       | x                         |
| 1500-G27     | NA               | 3151-144      | SED    | Walkin Freezer   | Organics             | 5/27/2010       | CS       |                           |
| 1500-G28     | NA               | 3151-145      | SED    | Walkin Freezer   | Organics             | 5/27/2010       | CS       |                           |
| 1500-G29     | NA               | 3151-146      | SED    | Walkin Freezer   | Organics             | 5/27/2010       | CS       |                           |
| 1500-G30     | NA               | 3151-147      | SED    | Walkin Freezer   | Organics             | 5/19/2010       | CS       |                           |
| 1500-G31     | NA               | 3151-148      | SED    | Walkin Freezer   | Organics             | 5/27/2010       | CS       |                           |
| 1500-G32     | NA               | 3151-149      | SED    | Walkin Freezer   | PAHs                 | 5/27/2010       | CS       | x                         |
| 500-G1       | NA               | 3151-150      | SED    | Walkin Freezer   | PAHs                 | 5/11/2010       | CS       | x                         |
| 500-G2       | NA               | 3151-151      | SED    | Walkin Freezer   | Organics             | 5/11/2010       | CS       |                           |
| 500-G3       | NA               | 3151-152      | SED    | Walkin Freezer   | Organics             | 5/11/2010       | CS       |                           |
| 500-G4       | NA               | 3151-153      | SED    | Walkin Freezer   | Organics             | 5/11/2010       | CS       |                           |
| 500-G5       | NA               | 3151-154      | SED    | Walkin Freezer   | Organics             | 5/11/2010       | CS       |                           |

# **SAMPLE LOGIN**



Project Manager: JMB

Date Received: Assorted (see COC) - After splits, samples logged in 7/30/10

Batch: 1

Login Designee: Csuslick

Marine Sciences Laboratory

1529 West Sequim Bay Road

Sequim, Washington 98382

PH: (360) 681-4565

Project: **ENVVEST Sed Eval Study** SQV02\_Organics

| SPONSOR CODE | Site Description | BATTELLE CODE | MATRIX | STORAGE LOCATION | PARAMETERS REQUESTED | COLLECTION DATE | INITIALS | Selected for confirmation |
|--------------|------------------|---------------|--------|------------------|----------------------|-----------------|----------|---------------------------|
| 500-G6       | NA               | 3151-155      | SED    | Walkin Freezer   | Organics             | 5/11/2010       | CS       |                           |
| 500-G7       | NA               | 3151-156      | SED    | Walkin Freezer   | Organics             | 5/11/2010       | CS       |                           |
| 500-G8       | NA               | 3151-157      | SED    | Walkin Freezer   | Organics             | 5/11/2010       | CS       |                           |
| 500-G9       | NA               | 3151-158      | SED    | Walkin Freezer   | Organics             | 5/11/2010       | CS       |                           |
| 500-G10      | NA               | 3151-159      | SED    | Walkin Freezer   | Organics             | 5/11/2010       | CS       |                           |
| 500-G11      | NA               | 3151-160      | SED    | Walkin Freezer   | Organics             | 5/11/2010       | CS       |                           |
| DUP1 051110  | NA               | 3151-161      | SED    | Walkin Freezer   | Organics             | 5/11/2010       | CS       |                           |
| 500-G12      | NA               | 3151-162      | SED    | Walkin Freezer   | Organics             | 5/11/2010       | CS       |                           |
| 500-G13      | NA               | 3151-163      | SED    | Walkin Freezer   | Organics             | 5/11/2010       | CS       |                           |
| 500-G14      | NA               | 3151-164      | SED    | Walkin Freezer   | Organics             | 5/18/2010       | CS       |                           |
| 500-G15      | NA               | 3151-165      | SED    | Walkin Freezer   | Organics             | 5/18/2010       | CS       |                           |
| 500-G16      | NA               | 3151-166      | SED    | Walkin Freezer   | PAHs                 | 5/18/2010       | CS       | x                         |
| 500-G17      | NA               | 3151-167      | SED    | Walkin Freezer   | Organics             | 5/18/2010       | CS       |                           |
| 500-G18      | NA               | 3151-168      | SED    | Walkin Freezer   | PAHs                 | 5/18/2010       | CS       | x                         |
| 500-G19      | NA               | 3151-169      | SED    | Walkin Freezer   | PAHs                 | 5/18/2010       | CS       | x                         |
| 500-G20      | NA               | 3151-170      | SED    | Walkin Freezer   | Organics             | 5/18/2010       | CS       |                           |
| 500-G21      | NA               | 3151-171      | SED    | Walkin Freezer   | Organics             | 5/18/2010       | CS       |                           |
| 500-G22      | NA               | 3151-172      | SED    | Walkin Freezer   | Organics             | 5/18/2010       | CS       |                           |
| 500-G23      | NA               | 3151-173      | SED    | Walkin Freezer   | Organics             | 5/18/2010       | CS       |                           |
| 500-G24      | NA               | 3151-174      | SED    | Walkin Freezer   | Organics             | 5/13/2010       | CS       |                           |

# SAMPLE LOGIN



Project Manager: JMB

Date Received: Assorted (see COC) - After splits, samples logged in 7/30/10

Batch: 1

Login Designee: Csuslick

Marine Sciences Laboratory

1529 West Sequim Bay Road

Sequim, Washington 98382

PH: (360) 681-4565

Project: **ENVVEST Sed Eval Study**

**SQV02\_Organics**

| SPONSOR CODE | Site Description | BATTELLE CODE | MATRIX | STORAGE LOCATION | PARAMETERS REQUESTED | COLLECTION DATE | INITIALS | Selected for confirmation |
|--------------|------------------|---------------|--------|------------------|----------------------|-----------------|----------|---------------------------|
| 500-G25      | NA               | 3151-175      | SED    | Walkin Freezer   | Organics             | 5/13/2010       | CS       |                           |
| 500-G26      | NA               | 3151-176      | SED    | Walkin Freezer   | PAHs                 | 5/13/2010       | CS       | x                         |
| 500-G27      | NA               | 3151-177      | SED    | Walkin Freezer   | Organics             | 5/12/2010       | CS       |                           |
| 500-G28      | NA               | 3151-178      | SED    | Walkin Freezer   | Organics             | 5/13/2010       | CS       |                           |
| 500-G29      | NA               | 3151-179      | SED    | Walkin Freezer   | Organics             | 5/13/2010       | CS       |                           |
| 500-G30      | NA               | 3151-180      | SED    | Walkin Freezer   | Organics             | 5/12/2010       | CS       |                           |
| 500-G31      | NA               | 3151-181      | SED    | Walkin Freezer   | Organics             | 5/12/2010       | CS       |                           |
| 500-G32      | NA               | 3151-182      | SED    | Walkin Freezer   | Organics             | 5/13/2010       | CS       |                           |
| 500-G33      | NA               | 3151-183      | SED    | Walkin Freezer   | Organics             | 5/12/2010       | CS       |                           |
| 500-G34      | NA               | 3151-184      | SED    | Walkin Freezer   | Organics             | 5/12/2010       | CS       |                           |
| 500-G35      | NA               | 3151-185      | SED    | Walkin Freezer   | Organics             | 5/12/2010       | CS       |                           |
| 500-G36      | NA               | 3151-186      | SED    | Walkin Freezer   | Organics             | 5/12/2010       | CS       |                           |
| 500-G37      | NA               | 3151-187      | SED    | Walkin Freezer   | Organics             | 5/6/2010        | CS       |                           |
| 500-G38      | NA               | 3151-188      | SED    | Walkin Freezer   | Organics             | 5/13/2010       | CS       |                           |
| 500-G39      | NA               | 3151-189      | SED    | Walkin Freezer   | PAHs                 | 5/12/2010       | CS       | x                         |
| 500-G40      | NA               | 3151-190      | SED    | Walkin Freezer   | PAHs                 | 5/10/2010       | CS       | x                         |
| 500-G41      | NA               | 3151-191      | SED    | Walkin Freezer   | Organics             | 5/10/2010       | CS       |                           |
| 500-G42      | NA               | 3151-192      | SED    | Walkin Freezer   | PAHs                 | 5/10/2010       | CS       | x                         |
| DUP1-051010  | NA               | 3151-193      | SED    | Walkin Freezer   | Organics             | 5/10/2010       | CS       |                           |
| 500-G43      | NA               | 3151-194      | SED    | Walkin Freezer   | PAHs                 | 5/10/2010       | CS       | x                         |

# SAMPLE LOGIN



Project Manager: JMB

Date Received: Assorted (see COC) - After splits, samples logged in 7/30/10

Batch: 1

Login Designee: Csuslick

Marine Sciences Laboratory

1529 West Sequim Bay Road

Sequim, Washington 98382

PH: (360) 681-4565

Project: **ENVVEST Sed Eval Study**

**SQV02\_Organics**

| SPONSOR CODE | Site Description | BATTELLE CODE | MATRIX | STORAGE LOCATION | PARAMETERS REQUESTED | COLLECTION DATE | INITIALS | Selected for confirmation |
|--------------|------------------|---------------|--------|------------------|----------------------|-----------------|----------|---------------------------|
| 500-G44      | NA               | 3151-195      | SED    | Walkin Freezer   | Organics             | 5/10/2010       | CS       |                           |
| 500-G45      | NA               | 3151-196      | SED    | Walkin Freezer   | PAHs                 | 5/10/2010       | CS       | x                         |
| 500-G46      | NA               | 3151-197      | SED    | Walkin Freezer   | Organics             | 5/10/2010       | CS       |                           |
| 500-G47      | NA               | 3151-198      | SED    | Walkin Freezer   | Organics             | 5/10/2010       | CS       |                           |
| 500-G48      | NA               | 3151-199      | SED    | Walkin Freezer   | PAHs                 | 5/10/2010       | CS       | x                         |
| 500-G49      | NA               | 3151-200      | SED    | Walkin Freezer   | PAHs                 | 5/10/2010       | CS       | x                         |
| 500-G50      | NA               | 3151-201      | SED    | Walkin Freezer   | Organics             | 5/7/2010        | CS       |                           |
| 500-G51      | NA               | 3151-202      | SED    | Walkin Freezer   | Organics             | 5/10/2010       | CS       |                           |
| 500-G52      | NA               | 3151-203      | SED    | Walkin Freezer   | Organics             | 5/7/2010        | CS       |                           |
| 500-G53      | NA               | 3151-204      | SED    | Walkin Freezer   | Organics             | 5/7/2010        | CS       |                           |
| 500-G54      | NA               | 3151-205      | SED    | Walkin Freezer   | Organics             | 5/12/2010       | CS       |                           |
| 500-G55      | NA               | 3151-206      | SED    | Walkin Freezer   | PAHs                 | 5/7/2010        | CS       | x                         |
| 500-G56      | NA               | 3151-207      | SED    | Walkin Freezer   | PAHs                 | 5/7/2010        | CS       | x                         |
| 500-G57      | NA               | 3151-208      | SED    | Walkin Freezer   | PAHs                 | 5/7/2010        | CS       | x                         |
| 500-G58      | NA               | 3151-209      | SED    | Walkin Freezer   | Organics             | 5/12/2010       | CS       |                           |
| 500-G59      | NA               | 3151-210      | SED    | Walkin Freezer   | PAHs                 | 5/6/2010        | CS       | x                         |
| 500-G60      | NA               | 3151-211      | SED    | Walkin Freezer   | PAHs                 | 5/6/2010        | CS       | x                         |
| 500-G61      | NA               | 3151-212      | SED    | Walkin Freezer   | PAHs                 | 5/7/2010        | CS       | x                         |
| 500-G62      | NA               | 3151-213      | SED    | Walkin Freezer   | Organics             | 5/12/2010       | CS       |                           |
| 500-G63      | NA               | 3151-214      | SED    | Walkin Freezer   | PAHs                 | 5/7/2010        | CS       | x                         |

# SAMPLE LOGIN



Project Manager: JMB  
 Date Received: Assorted (see COC) - After splits, samples logged in 7/30/10  
 Batch: 1  
 Login Designee: Csuslick

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382  
 PH: (360) 681-4565

Project: **ENVVEST Sed Eval Study** SQV02\_Organics

| SPONSOR CODE | Site Description | BATTELLE CODE | MATRIX | STORAGE LOCATION | PARAMETERS REQUESTED | COLLECTION DATE | INITIALS | Selected for confirmation |
|--------------|------------------|---------------|--------|------------------|----------------------|-----------------|----------|---------------------------|
| 500-G64      | NA               | 3151-215      | SED    | Walkin Freezer   | Organics             | 5/6/2010        | CS       |                           |
| 500-G65      | NA               | 3151-216      | SED    | Walkin Freezer   | Organics             | 5/6/2010        | CS       |                           |
| 500-G66      | NA               | 3151-217      | SED    | Walkin Freezer   | Organics             | 5/6/2010        | CS       |                           |
| 500-G67      | NA               | 3151-218      | SED    | Walkin Freezer   | PAHs                 | 5/6/2010        | CS       | x                         |
| 500-G68      | NA               | 3151-219      | SED    | Walkin Freezer   | Organics             | 5/6/2010        | CS       |                           |
| DUP1-050610  | NA               | 3151-220      | SED    | Walkin Freezer   | Organics             | 5/6/2010        | CS       |                           |
| 500-G69      | NA               | 3151-221      | SED    | Walkin Freezer   | PAHs                 | 5/6/2010        | CS       | x                         |
| 500-G70      | NA               | 3151-222      | SED    | Walkin Freezer   | Organics             | 5/6/2010        | CS       |                           |
| 500-G71      | NA               | 3151-223      | SED    | Walkin Freezer   | PAHs                 | 5/13/2010       | CS       | x                         |
| PQ1          | NA               | 3151-224      | SED    | Walk in Freezer  | (waiting on client)  | 7/27/2010       | CS       |                           |
| PQ2          | NA               | 3151-225      | SED    | Walk in Freezer  | (waiting on client)  | 7/27/2010       | CS       |                           |
| DD6-1        | NA               | 3151-226      | SED    | Walk in Freezer  | (waiting on client)  | 7/15/2010       | CS       |                           |
| DD6-4        | NA               | 3151-227      | SED    | Walk in Freezer  | (waiting on client)  | 7/15/2010       | CS       |                           |
| DD6-7        | NA               | 3151-228      | SED    | Walk in Freezer  | (waiting on client)  | 7/26/2010       | CS       |                           |

(3151-224 thru 228 numbers not used. CS 5/26/11)

## LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #: N 3151 Sample No(s): 1-223 Batch: 1  
Project Name: ENVVEST OUB Project Manager: JMB

## TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: sediment WP# \_\_\_\_\_

Yes No  
☐ ☒ Navy-type Project (requires high-level sample tracking procedures)  
☐ ☒ USDA Samples (see Compliance Agreement Checklist) PM Verification: \_\_\_\_\_

☐ ☒ Filter Samples: Amount: Entire sample Half of sample  
☒ ☐ Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Login Lab)  
☒ ☐ Special instructions: split samples / freeze org aliquot  
Sample Preservation Instructions: freezer  
\*\*See LIMS for archive/disposal information\*\* Done 7/30/10

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes No N/A Indicate in Appropriate Box

☐ ☐ ☒ Custody seal present Seal intact? YES NO  
☒ ☐ ☐ Cooler temperature (acceptable range:  $4 \pm 2^\circ\text{C}$  or solids: frozen) #1 - 5.2, 5.8°C  
(if multiple coolers, note temp. of each) #2 - 5.5, #45.2°C  
☐ ☐ ☒ Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)  
Comment/Remedy: \_\_\_\_\_  
☒ ☐ ☐ Were all chain of custody forms signed and dated?  
☐ ☒ ☐ Were samples filtered at MSL?

Sample condition(s):

Acceptable

Other (explain):

Container type:

Teflon

Poly

Glass

Cap Vial

Other:

Notes: Hand delivered by NavyCompleted By: JMBDate/Time: 5/17/10 1530

## SAMPLE PRESERVATION

- ☐ Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)  
☐ Random pH checked for ~10% of samples (use dip paper) Sample IDs: \_\_\_\_\_  
☐ Complete pH check required for project (use pH meter and record on pH Record form)  
☐ Sample(s) were preserved at MSL

Samples were  
split @ MSL (mt/orc)  
7/28 & 7/30/10  
Graham

Type: ☐ 0.2% HNO<sub>3</sub> Notes: \_\_\_\_\_ Lot# \_\_\_\_\_  
☐ 0.5% HCl (Hg samples) Notes: \_\_\_\_\_ Lot# \_\_\_\_\_  
☒ Refrigerate/Freeze Notes: see below  
☐ Other Notes: \_\_\_\_\_

Completed By: GrahamDate/Time: 7/30/10 1730Storage Shelf: Met = deep Free bottom shelf ORG = water in C 3/4, 6 4/5

# SAMPLE CUSTODY RECORD

(SOP# MSL-A-001 & MSL-A-002)

Date: 7/28/10



... Putting Technology To Work

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: SED EVAL STUDY - ENVIST

Project Manager: Brandenberger / Johnston

Phone Number: \_\_\_\_\_

Shipment Method: Hand delivery

Preservation: \_\_\_\_\_

No. of Containers

Test Parameters

SQUO3 - Dry Deck Splits

| Line | Field Sample ID | Collection Date/Time | Matrix | No. of Containers |  |  |  |  |  | Laboratory ID | Observations/Comments  |
|------|-----------------|----------------------|--------|-------------------|--|--|--|--|--|---------------|------------------------|
| 1    | PQ1             |                      | SED    | 1                 |  |  |  |  |  |               | Sample delivered       |
| 2    | PQ2             |                      | I      | 1                 |  |  |  |  |  |               | to MSL by              |
| 3    | DD6-1           |                      | I      | 1                 |  |  |  |  |  |               | Joel Guerrero          |
| 4    | DD6-4           |                      | I      | 1                 |  |  |  |  |  |               | from Per Bob           |
| 5    | DD6-7           |                      | I      | 1                 |  |  |  |  |  |               | Johnston's instruction |
| 6    |                 |                      |        |                   |  |  |  |  |  |               | <u>Chen</u> 7/28/10    |
| 7    |                 |                      |        |                   |  |  |  |  |  |               |                        |
| 8    |                 |                      |        |                   |  |  |  |  |  |               |                        |
| 9    |                 |                      |        |                   |  |  |  |  |  |               |                        |
| 10   |                 |                      |        |                   |  |  |  |  |  |               |                        |
| 11   |                 |                      |        |                   |  |  |  |  |  |               |                        |
| 12   |                 |                      |        |                   |  |  |  |  |  |               |                        |
| 13   |                 |                      |        |                   |  |  |  |  |  |               |                        |
| 14   |                 |                      |        |                   |  |  |  |  |  |               |                        |
| 15   |                 |                      |        |                   |  |  |  |  |  |               |                        |

Relinquished By:

Company:

SPAWAR US NAVY

J. GUERRERO  
Signature/Printed Name

7-28-10 1654  
Date/Time

Received By:

Company:

Battelle MSL

Chen C. SUSLUK  
Signature/Printed Name

7/28/10 1655  
Date/Time

Relinquished By:

Company:

Signature/Printed Name

Date/Time

Received By:

Company:

Signature/Printed Name

Date/Time



From: Space & Naval Warfare (SPAWAR) Systems Center Pacific [SSC-PACIFIC]  
 Advanced Systems & Applied Sciences Division  
 Applied Systems & Environmental Sciences Branch, Code 71752  
 Project NSY Puget Sound - Drydock Caisson Sediment Assessment  
 Project Manager Dr. R.K. Johnston, PhD. - MESO NW Det.  
 Project POC Joel Guerrero  
 Position Environmental Chemist  
 Street Address 53475 Strothe Road  
 City, State, Zip Code San Diego, CA 92152  
 Telephone Number 619.553.5332 619.553.4169  
 Email Address #1 [johnston@spawar.navy.mil](mailto:johnston@spawar.navy.mil)  
 Email Address #2 [joel.guerrero@navy.mil](mailto:joel.guerrero@navy.mil)

To: Battelle Marine Sciences Laboratory (BMSL)  
 Laboratory Battelle Sequim Operations PNNL  
 Contact Dr. Jill Brandenberger, PhD.  
 Carolyn Suslick  
 Position Sr Staff Scientist/Member Technical Staff  
 Street Address 1529 West Sequim Bay Road  
 City, State, Zip Code Sequim, WA 98382  
 Phone Number 360.681.4564  
 Fax Number 360.681.3699  
 Email Address # 1 [jill.brandenberger@pnl.gov](mailto:jill.brandenberger@pnl.gov)  
 Email Address # 2 [carolyn.suslick@pnl.gov](mailto:carolyn.suslick@pnl.gov)

Project Name: RSC Project - Drydock & Outfall Sediment Pre-Site Assessment

| Instruction                            | Yes/No | Comment                        |
|----------------------------------------|--------|--------------------------------|
| 1) Email COC                           | Yes    |                                |
| 2) Call/Fax Prior to Shipping          | Yes    |                                |
| 3) Verify receipt of samples via Email | Yes    | cc to D.B. Chadwick/J.Guerrero |
| 4) Special Processing Required         | No     | samples kept dark/cold         |

# SAMPLE LOGIN

Pacific Northwest  
NATIONAL LABORATORY

Battelle  
The Business of Innovation

Project Manager: JMB

Date Received: Assorted (see COC) - After splits, samples logged in 7/30/10

Batch: 1

Login Designee: Csuslick

Project: **ENVVEST Sed Eval Study**

Marine Sciences Laboratory

1529 West Sequim Bay Road

Sequim, Washington 98382

PH: (360) 681-4565

| SPONSOR CODE         | Site Description | BATTELLE CODE | MATRIX | STORAGE LOCATION | PARAMETERS REQUESTED | COLLECTION DATE | INITIALS |
|----------------------|------------------|---------------|--------|------------------|----------------------|-----------------|----------|
| 500-G64              | NA               | 3151-101      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |
| 500-G65              | NA               | 3151-102      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |
| 500-G66              | NA               | 3151-103      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |
| 500-G67              | NA               | 3151-104      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |
| 500-G68              | NA               | 3151-105      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |
| DUP1-050610          | NA               | 3151-106      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |
| 500-G69              | NA               | 3151-107      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |
| 500-G70              | NA               | 3151-108      | SED    | Deep Freezer     | Metals               | 5/6/2010        | CS       |
| 500-G71              | NA               | 3151-109      | SED    | Deep Freezer     | Metals               | 5/13/2010       | CS       |
| SGV03<br>4-<br>split | PQ1              | 3151-110      | SED    | Walk in Freezer  | (waiting on client)  | 7/27/2010       | CS       |
|                      | PQ2              | 3151-111      | SED    | Walk in Freezer  | (waiting on client)  | 7/27/2010       | CS       |
|                      | DD6-1            | 3151-112      | SED    | Walk in Freezer  | (waiting on client)  | 7/15/2010       | CS       |
|                      | DD6-4            | 3151-113      | SED    | Walk in Freezer  | (waiting on client)  | 7/15/2010       | CS       |
|                      | DD6-7            | 3151-114      | SED    | Walk in Freezer  | (waiting on client)  | 7/26/2010       | CS       |

## LOG-IN CHECKLIST

Applies to both SQV02 and SQV03

SQV03 Sample numbers are 110-114

Reference SOP# MSL-A-001

Central File #: N 3151Sample No(s): 1-223Batch: 1Project Name: ENVVEST OUBProject Manager: JMB

## TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: sediment

WP#

Yes No

☐☒

Navy-type Project (requires high-level sample tracking procedures)

☐☒

USDA Samples (see Compliance Agreement Checklist)

PM Verification:

☐☒

Filter Samples:

Amount:

Entire sample

Half of sample

☒☐

Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Login Lab)

☒☐

Special instructions:

split samples / freeze org aliquot

Sample Preservation Instructions:

freezer

\*\*See LIMS for archive/disposal information\*\*

Done 7/30/10

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes No N/A Indicate in Appropriate Box

☐☐☒

Custody seal present

Seal intact?

YES

NO

☒☐☐Cooler temperature (acceptable range:  $4 \pm 2^\circ\text{C}$  or solids: frozen)  
(if multiple coolers, note temp. of each)#1 - 5.2, 5.8°C  
#2 - 5.5, #45.2°C☐☐☒

Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)

Comment/Remedy:

☒☐☐

Were all chain of custody forms signed and dated?

☐☒☐

Were samples filtered at MSL?

Sample condition(s):

Acceptable

Other (explain):

Container type:

Teflon

Poly

Glass

Cap Vial

Other:

Notes: Hand delivered by NavyCompleted By: JMBDate/Time: 5/17/10 1530

## SAMPLE PRESERVATION

☐

Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)

☐

Random pH checked for ~10% of samples (use dip paper)

Sample IDs:

☐

Complete pH check required for project (use pH meter and record on pH Record form)

☐

Sample(s) were preserved at MSL

Type:

☐0.2% HNO<sub>3</sub>

Notes:

Lot#

☐

0.5% HCl (Hg samples)

Notes:

Lot#

☒

Refrigerate/Freeze

Notes:

See below☐

Other

Notes:

Completed By: ChauhanDate/Time: 7/30/101730

Storage Shelf:

Met = deep Free bottom ShelfOrg = water in C 3/4, 6 4/5Samples were split @ MSL (mt/orc)  
7/28 & 7/30/10  
Chauhan

**Battelle**

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

|                                                                                       |                    |                                                             |
|---------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------|
| Project No.: <b>PIER 7 DRUM SAMPLING</b>                                              | EVENT:             | Laboratory: Battelle MSL                                    |
| Project Name: ENVVEST Ambient Monitoring <b>Samples taken after 5 Drums collected</b> | Testing Parameters | Address: 1529 W. Sequim Bay Road<br>Sequim, WA 98382        |
| Project Manager: Jill Brandenberger<br>Phone: (360) 681-3668                          |                    | Attention: Jill Brandenberger<br>Observations, Instructions |

[illegible]

|                  |  |         |      |                                          |  |                                                                                                                                         |  |
|------------------|--|---------|------|------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------|--|
| Relinquished by: |  |         |      | Received by: <i>[Signature]</i> 08/24/11 |  | Total # of Containers                                                                                                                   |  |
| Signature        |  | Date    | Time | Signature                                |  | Shipment Method:                                                                                                                        |  |
| Printed Name     |  | Company |      | Printed Name                             |  | Shipment Method:                                                                                                                        |  |
| Relinquished by: |  |         |      | Received by:                             |  | Sample Disposition:                                                                                                                     |  |
| Signature        |  | Date    | Time | Signature                                |  | Distribution:                                                                                                                           |  |
| Printed Name     |  | Company |      | Printed Name                             |  | 1) 2 copies to the Laboratory<br>2) 1 copy to project manager<br>3) Return completed original to<br>Battelle Marine Sciences Laboratory |  |

# **SAMPLE LOGIN**

Project Manager: Brandenberger

Date Received: 3/24/2011

Batch: 2

Login Designee: McGahan

Project: **ENVVEST Sed Eval Study - Pier 7 Drums (SQV04)**



Marine Sciences Laboratory

1529 West Sequim Bay Road

Sequim, Washington 98382

PH: (360) 681-4565

| SPONSOR CODE |        | Site Description   | BATTELLE CODE | MATRIX   | STORAGE LOCATION      | PARAMETERS REQUESTED   | COLLECTION DATE | INITIALS |
|--------------|--------|--------------------|---------------|----------|-----------------------|------------------------|-----------------|----------|
| SQV04-001    | Middle | PSNS Pier 7 Drum-M | 3151-229      | sediment | Outside Refridgerator | rapid screening metals | 03/17/11        | MLFM     |
| SQV04-002    | North  | PSNS Pier 7 Drum-N | 3151-230      | sediment | Outside Refridgerator | rapid screening metals | 03/17/11        | MLFM     |
| SQV04-003    | East   | PSNS Pier 7 Drum-E | 3151-231      | sediment | Outside Refridgerator | rapid screening metals | 03/17/11        | MLFM     |
| SQV04-004    | West   | PSNS Pier 7 Drum-W | 3151-232      | sediment | Outside Refridgerator | rapid screening metals | 03/17/11        | MLFM     |
| SQV04-005    | South  | PSNS Pier 7 Drum-S | 3151-233      | sediment | Outside Refridgerator | rapid screening metals | 03/17/11        | MLFM     |
| SQV04-006    | Middle | PSNS Pier 7 Drum-M | 3151-234      | sediment | Deep Freezer C-2      | metals                 | 03/17/11        | MLFM     |
| SQV04-007    | North  | PSNS Pier 7 Drum-N | 3151-235      | sediment | Deep Freezer C-2      | metals                 | 03/17/11        | MLFM     |
| SQV04-008    | East   | PSNS Pier 7 Drum-E | 3151-236      | sediment | Deep Freezer C-2      | metals                 | 03/17/11        | MLFM     |
| SQV04-009    | West   | PSNS Pier 7 Drum-W | 3151-237      | sediment | Deep Freezer C-2      | metals                 | 03/17/11        | MLFM     |
| SQV04-010    | South  | PSNS Pier 7 Drum-S | 3151-238      | sediment | Deep Freezer C-2      | metals                 | 03/17/11        | MLFM     |
| SQV04-011    | Middle | PSNS Pier 7 Drum-M | 3151-239      | sediment | Outside Freezer       | organics               | 03/17/11        | MLFM     |
| SQV04-012    | North  | PSNS Pier 7 Drum-N | 3151-240      | sediment | Outside Freezer       | organics               | 03/17/11        | MLFM     |
| SQV04-013    | East   | PSNS Pier 7 Drum-E | 3151-241      | sediment | Outside Freezer       | organics               | 03/17/11        | MLFM     |
| SQV04-014    | West   | PSNS Pier 7 Drum-W | 3151-242      | sediment | Outside Freezer       | organics               | 03/17/11        | MLFM     |
| SQV04-015    | South  | PSNS Pier 7 Drum-S | 3151-243      | sediment | Outside Freezer       | organics               | 03/17/11        | MLFM     |

## LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #: 3151 Sample No(s): 229-243  
Project Name: Sediment Varnication Batch: 2  
Project Manager: Jmms

## TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: sea WP# \_\_\_\_\_

Yes ☐ No ☒ Navy-type Project (requires high-level sample tracking procedures)

Yes ☐ No ☒ USDA Samples (see Compliance Agreement Checklist) PM Verification: \_\_\_\_\_

Yes ☐ No ☒ Filter Samples: Amount: Entire sample Half of sample

Yes ☒ No ☐ Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Login Lab)

Yes ☒ No ☐ Special instructions: split for rapid screening

Sample Preservation Instructions: 1-SPEX, 1-407, return 1607.

\*\*See LIMS for archive/disposal information\*\*

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes ☐ No ☐ N/A ☒ Indicate in Appropriate Box

Yes ☐ No ☒ Custody seal present Seal intact? YES NO

Yes ☒ No ☐ Cooler temperature (acceptable range:  $4 \pm 2^\circ\text{C}$  or solids:frozen) 5.1 °C  
(if multiple coolers, note temp. of each) \_\_\_\_\_ °C

Yes ☐ No ☒ Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)  
Comment/Remedy: \_\_\_\_\_

Yes ☒ No ☐ Were all chain of custody forms signed and dated?

Yes ☐ No ☒ Were samples filtered at MSL?

Sample condition(s):

Acceptable

Other (explain):

Container type:

Teflon Poly Glass Cap. VialOther: 224-238 transferred to SPEX

Notes:

Completed By: JmmsDate/Time: 3/24/11 1830

## SAMPLE PRESERVATION

☐ Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)

☐ Random pH checked for ~10% of samples (use dip paper) Sample IDs: \_\_\_\_\_

☐ Complete pH check required for project (use pH meter and record on pH Record form)

☐ Sample(s) were preserved at MSL

Type: ☐ 0.2% HNO<sub>3</sub> Notes: \_\_\_\_\_ Lot# \_\_\_\_\_

☐ 0.5% HCl (Hg samples) Notes: \_\_\_\_\_ Lot# \_\_\_\_\_

☒ Refrigerate/Freeze Notes: 229-233 - outside fridge, 234-238 - Deep freeze C-2

☐ Other Notes: \_\_\_\_\_

Completed By: JmmsDate/Time: 03/24/11 1100Storage Shelf: Deep freeze C-2

## SAMPLE CHAIN OF CUSTODY FORM

SQV05\_Porewater

Battelle

Date: 4/27/11  
 Page: 4 of         
 COC Number:                     

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

|                                                              |                    |                                                             |
|--------------------------------------------------------------|--------------------|-------------------------------------------------------------|
| Project No.:                                                 | EVENT:             | Laboratory: Battelle MSL                                    |
| Project Name:                                                |                    | Address: 1529 W. Sequim Bay Road<br>Sequim, WA 98382        |
| Project Manager: Jill Brandenberger<br>Phone: (360) 681-3668 | Testing Parameters | Attention: Jill Brandenberger<br>Observations, Instructions |

| Lab. Use only: Lab ID               | Sample ID | Sample Label | Collection Date/Time | Matrix            | Porewater (DME) + H <sub>2</sub> | DOC PW | D. Subside PW |  |  |  |  |  |  |  | No. of containers | StationID | Comments                     |
|-------------------------------------|-----------|--------------|----------------------|-------------------|----------------------------------|--------|---------------|--|--|--|--|--|--|--|-------------------|-----------|------------------------------|
| 3151-<br>SGV05-<br><del>SGV05</del> |           |              |                      | PW =<br>Porewater |                                  |        |               |  |  |  |  |  |  |  |                   |           | (A) PS03 leaks more than (B) |
| 244                                 | - 046     | PS03         | 4/27/11 1700         | sediment          | x                                |        |               |  |  |  |  |  |  |  |                   | 2cm       | from Squeeze core snail hole |
| 245                                 | - 047     |              |                      |                   | x                                |        |               |  |  |  |  |  |  |  |                   | 5 cm      |                              |
| 246                                 | - 048     |              |                      |                   | x                                |        |               |  |  |  |  |  |  |  |                   | 8 cm      |                              |
| 247                                 | - 049     |              |                      |                   | x                                |        |               |  |  |  |  |  |  |  |                   | 12 cm     |                              |
| 248                                 | - 050     |              |                      |                   | x                                |        |               |  |  |  |  |  |  |  |                   | 16 cm     |                              |
| 249                                 | - 051     |              |                      |                   | x                                |        |               |  |  |  |  |  |  |  |                   | 20-18 cm  |                              |
| 256                                 | - 052     |              |                      |                   |                                  | x      |               |  |  |  |  |  |  |  |                   | 2 cm      | 1 mil                        |
| 257                                 | - 053     |              |                      |                   |                                  | x      |               |  |  |  |  |  |  |  |                   | 5         | 1 mil                        |
| 258                                 | - 054     |              |                      |                   |                                  | x      |               |  |  |  |  |  |  |  |                   | 8         | 1 mil                        |
| 259                                 | - 055     |              |                      |                   |                                  | x      |               |  |  |  |  |  |  |  |                   | 12        | 1 mil                        |
| 260                                 | - 056     |              |                      |                   |                                  | x      |               |  |  |  |  |  |  |  |                   | 16        | 1 mil                        |
| 261                                 | - 057     |              |                      |                   |                                  | x      |               |  |  |  |  |  |  |  |                   | 20        | 1 mil                        |
| 268                                 | - 058     |              |                      |                   |                                  | x      |               |  |  |  |  |  |  |  |                   | 2 cm      | 1 mil                        |
| 269                                 | - 059     |              |                      |                   |                                  | x      |               |  |  |  |  |  |  |  |                   | 5         | 1 mil                        |
| 270                                 | - 060     |              |                      |                   |                                  | x      |               |  |  |  |  |  |  |  |                   | 8         | 0.5 mil                      |

Relinquished by: [Signature] 4/28/11 MSL  
 Signature Date Company  
 Printed Name

Received by: [Signature] 4/28/11 MSL  
 Signature Date Company  
 Printed Name

Total # of Containers  
 Shipment Method:  
 Shipment Method: Hand  
 Sample Disposition:

Relinquished by:                                                                 
 Signature Date Company  
 Printed Name

Received by:                                                                 
 Signature Date Company  
 Printed Name  
 Distribution:  
 1) 2 copies to the Laboratory  
 2) 1 copy to project manager  
 3) Return completed original to Battelle Marine Sciences Laboratory

# SAMPLE CHAIN OF CUSTODY FORM

Date: \_\_\_\_\_  
 Page: 5/6 of \_\_\_\_\_  
 COC Number: \_\_\_\_\_

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

|                                                              |                    |                                                             |
|--------------------------------------------------------------|--------------------|-------------------------------------------------------------|
| Project No.:                                                 | EVENT:             | Laboratory: Battelle MSL                                    |
| Project Name:                                                |                    | Address: 1529 W. Sequim Bay Road<br>Sequim, WA 98382        |
| Project Manager: Jill Brandenberger<br>Phone: (360) 681-3668 | Testing Parameters | Attention: Jill Brandenberger<br>Observations, Instructions |

| Lab. Use only: Lab ID | Sample ID | Sample Label | Collection Date/Time | Matrix       | Pore water | Metals PW | DOC PW | P. Subside PW |  |  |  |  |  |  |  | No. of containers | StationID | Comments |
|-----------------------|-----------|--------------|----------------------|--------------|------------|-----------|--------|---------------|--|--|--|--|--|--|--|-------------------|-----------|----------|
| 351-                  | SQV05-    |              |                      |              |            |           |        |               |  |  |  |  |  |  |  |                   |           |          |
|                       | 271       | -061         | PS03                 | 4/27/11 1700 | PW         |           |        | X             |  |  |  |  |  |  |  |                   | 12 cm     | 0.5 mil  |
|                       | 272       | -062         |                      |              |            |           |        | X             |  |  |  |  |  |  |  |                   | 16        | 0.5 mil  |
|                       | 273       | -063         |                      |              |            |           |        | X             |  |  |  |  |  |  |  |                   | 20        | 0.5 mil  |
|                       | 250       | -064         | PS09                 |              |            |           |        | X             |  |  |  |  |  |  |  |                   | 2         |          |
|                       | 251       | -065         |                      |              |            |           |        | X             |  |  |  |  |  |  |  |                   | 5         |          |
|                       | 252       | -066         |                      |              |            |           |        | X             |  |  |  |  |  |  |  |                   | 8         |          |
|                       | 253       | -067         |                      |              |            |           |        | X             |  |  |  |  |  |  |  |                   | 12        |          |
|                       | 254       | -068         |                      |              |            |           |        | X             |  |  |  |  |  |  |  |                   | 16        |          |
|                       | 255       | -069         |                      |              |            |           |        | X             |  |  |  |  |  |  |  |                   | 20        |          |
|                       | 262       | -070         |                      |              |            |           |        | X             |  |  |  |  |  |  |  |                   | 2         | 1 mil    |
|                       | 263       | -071         |                      |              |            |           |        | X             |  |  |  |  |  |  |  |                   | 5         | 1 mil    |
|                       | 264       | -072         |                      |              |            |           |        | X             |  |  |  |  |  |  |  |                   | 8         | 1 mil    |
|                       | 265       | -073         |                      |              |            |           |        | X             |  |  |  |  |  |  |  |                   | 12        | 1 mil    |
|                       | 266       | -074         |                      |              |            |           |        | X             |  |  |  |  |  |  |  |                   | 16        | 1 mil    |
|                       | 267       | -075         |                      |              |            |           |        | X             |  |  |  |  |  |  |  |                   | 20        | 1 mil    |

|                                                                                                                                |                                                                                                                      |                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relinquished by: <u>[Signature]</u><br>Signature _____ Date <u>4/28/11</u> Time _____<br>Printed Name _____ Company <u>MSL</u> | Received by: <u>[Signature]</u><br>Signature _____ Date <u>4/28/11 0900</u><br>Printed Name _____ Company <u>MSL</u> | Total # of Containers _____<br>Shipment Method: _____<br>Shipment Method: <u>Air</u>                                                                                         |
| Relinquished by: _____<br>Signature _____ Date _____ Time _____<br>Printed Name _____ Company _____                            | Received by: _____<br>Signature _____<br>Printed Name _____                                                          | Sample Disposition:<br>Distribution:<br>1) 2 copies to the Laboratory<br>2) 1 copy to project manager<br>3) Return completed original to Battelle Marine Sciences Laboratory |

# SAMPLE CHAIN OF CUSTODY FORM

Date: \_\_\_\_\_  
 Page: 86 of \_\_\_\_\_  
 COC Number: \_\_\_\_\_

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

|                                                              |                    |                                                             |
|--------------------------------------------------------------|--------------------|-------------------------------------------------------------|
| Project No.:                                                 | EVENT:             | Laboratory: Battelle MSL                                    |
| Project Name:                                                |                    | Address: 1529 W. Sequim Bay Road<br>Sequim, WA 98382        |
| Project Manager: Jill Brandenberger<br>Phone: (360) 681-3668 | Testing Parameters | Attention: Jill Brandenberger<br>Observations, Instructions |

| Lab. Use only: Lab ID | Sample ID | Sample Label | Collection Date/Time | Matrix  | Metals PW | DOC PW | P. Sulfide PW |  |  |  |  |  |  |  |  | No. of containers | Station ID | Comments |
|-----------------------|-----------|--------------|----------------------|---------|-----------|--------|---------------|--|--|--|--|--|--|--|--|-------------------|------------|----------|
| 3151-                 | 274       | -076         | PS09                 | 4/27/11 | POD       |        | X             |  |  |  |  |  |  |  |  | 2                 | cm         | 1 mil    |
|                       | 275       | -077         |                      |         |           |        | X             |  |  |  |  |  |  |  |  | 5                 |            | 1 mil    |
|                       | 276       | -078         |                      |         |           |        | X             |  |  |  |  |  |  |  |  | 8                 |            | 1 mil    |
|                       | 277       | -079         |                      |         |           |        | X             |  |  |  |  |  |  |  |  | 12                |            | 0.5 mil  |
|                       | 278       | -080         |                      |         |           |        | X             |  |  |  |  |  |  |  |  | 16                |            | 1 mil    |
|                       | 279       | -081         |                      |         |           |        | X             |  |  |  |  |  |  |  |  | 20                |            | 0.5 mil  |
|                       |           | -082         |                      |         |           |        |               |  |  |  |  |  |  |  |  |                   |            |          |
|                       |           | -083         |                      |         |           |        |               |  |  |  |  |  |  |  |  |                   |            |          |
|                       |           | -084         |                      |         |           |        |               |  |  |  |  |  |  |  |  |                   |            |          |
|                       |           | -085         |                      |         |           |        |               |  |  |  |  |  |  |  |  |                   |            |          |
|                       |           | -086         |                      |         |           |        |               |  |  |  |  |  |  |  |  |                   |            |          |
|                       |           | -087         |                      |         |           |        |               |  |  |  |  |  |  |  |  |                   |            |          |
|                       |           | -088         |                      |         |           |        |               |  |  |  |  |  |  |  |  |                   |            |          |
|                       |           | -089         |                      |         |           |        |               |  |  |  |  |  |  |  |  |                   |            |          |
|                       |           | -090         |                      |         |           |        |               |  |  |  |  |  |  |  |  |                   |            |          |

|                                                                                                             |                                                                                                         |                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relinquished by: <u>[Signature]</u><br>Signature<br>Date: <u>4/27/11</u><br>Time<br>Printed Name<br>Company | Received by: <u>[Signature]</u><br>Signature<br>Date: <u>4/27/11</u><br>Time<br>Printed Name<br>Company | Total # of Containers<br>Shipment Method: <u>Hand</u><br>Shipment Method:<br>Sample Disposition:<br>Distribution:<br>1) 2 copies to the Laboratory<br>2) 1 copy to project manager<br>3) Return completed original to Battelle Marine Sciences Laboratory |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## **SAMPLE LOGIN**

Project Manager: Brandenberger

Date Received: 4/28/2011

Batch: SQV05

Login Designee: CSuslick

Project: **Sed Qual Validation Study (SQV05)**



Marine Sciences Laboratory

1529 West Sequim Bay Road

Sequim, Washington 98382

PH: (360) 681-4565

| Sponsor ID | Site Description | Battelle Code | Matrix    | Storage Location | Requested Parameters | Collection Date |
|------------|------------------|---------------|-----------|------------------|----------------------|-----------------|
| SQV05-046  | PS03             | 3151-244      | Porewater | ICP-MS Lab       | Metals               | 04/27/11        |
| SQV05-047  | PS03             | 3151-245      | Porewater | ICP-MS Lab       | Metals               | 04/27/11        |
| SQV05-048  | PS03             | 3151-246      | Porewater | ICP-MS Lab       | Metals               | 04/27/11        |
| SQV05-049  | PS03             | 3151-247      | Porewater | ICP-MS Lab       | Metals               | 04/27/11        |
| SQV05-050  | PS03             | 3151-248      | Porewater | ICP-MS Lab       | Metals               | 04/27/11        |
| SQV05-051  | PS03             | 3151-249      | Porewater | ICP-MS Lab       | Metals               | 04/27/11        |
| SQV05-064  | PS09             | 3151-250      | Porewater | ICP-MS Lab       | Metals               | 04/27/11        |
| SQV05-065  | PS09             | 3151-251      | Porewater | ICP-MS Lab       | Metals               | 04/27/11        |
| SQV05-066  | PS09             | 3151-252      | Porewater | ICP-MS Lab       | Metals               | 04/27/11        |
| SQV05-067  | PS09             | 3151-253      | Porewater | ICP-MS Lab       | Metals               | 04/27/11        |
| SQV05-068  | PS09             | 3151-254      | Porewater | ICP-MS Lab       | Metals               | 04/27/11        |
| SQV05-069  | PS09             | 3151-255      | Porewater | ICP-MS Lab       | Metals               | 04/27/11        |
| SQV05-052  | PS03             | 3151-256      | Porewater | Deep Freezer     | DOC                  | 04/27/11        |
| SQV05-053  | PS03             | 3151-257      | Porewater | Deep Freezer     | DOC                  | 04/27/11        |
| SQV05-054  | PS03             | 3151-258      | Porewater | Deep Freezer     | DOC                  | 04/27/11        |
| SQV05-055  | PS03             | 3151-259      | Porewater | Deep Freezer     | DOC                  | 04/27/11        |
| SQV05-056  | PS03             | 3151-260      | Porewater | Deep Freezer     | DOC                  | 04/27/11        |
| SQV05-057  | PS03             | 3151-261      | Porewater | Deep Freezer     | DOC                  | 04/27/11        |
| SQV05-070  | PS09             | 3151-262      | Porewater | Deep Freezer     | DOC                  | 04/27/11        |
| SQV05-071  | PS09             | 3151-263      | Porewater | Deep Freezer     | DOC                  | 04/27/11        |

## **SAMPLE LOGIN**

Project Manager: Brandenberger

Date Received: 4/28/2011

Batch: SQV05

Login Designee: CSuslick

Project: **Sed Qual Validation Study (SQV05)**



Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

| Sponsor ID | Site Description | Battelle Code | Matrix    | Storage Location | Requested Parameters | Collection Date |
|------------|------------------|---------------|-----------|------------------|----------------------|-----------------|
| SQV05-072  | PS09             | 3151-264      | Porewater | Deep Freezer     | DOC                  | 04/27/11        |
| SQV05-073  | PS09             | 3151-265      | Porewater | Deep Freezer     | DOC                  | 04/27/11        |
| SQV05-074  | PS09             | 3151-266      | Porewater | Deep Freezer     | DOC                  | 04/27/11        |
| SQV05-075  | PS09             | 3151-267      | Porewater | Deep Freezer     | DOC                  | 04/27/11        |
| SQV05-058  | PS03             | 3151-268      | Porewater | Lab 130          | Sulfide              | 04/27/11        |
| SQV05-059  | PS03             | 3151-269      | Porewater | Lab 130          | Sulfide              | 04/27/11        |
| SQV05-060  | PS03             | 3151-270      | Porewater | Lab 130          | Sulfide              | 04/27/11        |
| SQV05-061  | PS03             | 3151-271      | Porewater | Lab 130          | Sulfide              | 04/27/11        |
| SQV05-062  | PS03             | 3151-272      | Porewater | Lab 130          | Sulfide              | 04/27/11        |
| SQV05-063  | PS03             | 3151-273      | Porewater | Lab 130          | Sulfide              | 04/27/11        |
| SQV05-076  | PS09             | 3151-274      | Porewater | Lab 130          | Sulfide              | 04/27/11        |
| SQV05-077  | PS09             | 3151-275      | Porewater | Lab 130          | Sulfide              | 04/27/11        |
| SQV05-078  | PS09             | 3151-276      | Porewater | Lab 130          | Sulfide              | 04/27/11        |
| SQV05-079  | PS09             | 3151-277      | Porewater | Lab 130          | Sulfide              | 04/27/11        |
| SQV05-080  | PS09             | 3151-278      | Porewater | Lab 130          | Sulfide              | 04/27/11        |
| SQV05-081  | PS09             | 3151-279      | Porewater | Lab 130          | Sulfide              | 04/27/11        |

## LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #: 3151 Sample No(s): 244-279 Batch: SQV05  
Project Name: EMVER SED SUB EVAL STUDY Project Manager: JMB

## TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

|                                               |                          |                                                                                                |
|-----------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------|
| Matrix: <u>Porewaters</u>                     |                          | WP#                                                                                            |
| Yes                                           | No                       |                                                                                                |
| <input type="checkbox"/>                      | <input type="checkbox"/> | Navy-type Project (requires high-level sample tracking procedures)                             |
| <input type="checkbox"/>                      | <input type="checkbox"/> | USDA Samples (see Compliance Agreement Checklist)                                              |
|                                               |                          | PM Verification:                                                                               |
| <input type="checkbox"/>                      | <input type="checkbox"/> | Filter Samples: <u>Amount:</u> <u>Entire sample</u> <u>Half of sample</u>                      |
| <input type="checkbox"/>                      | <input type="checkbox"/> | Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Login Lab) |
| <input type="checkbox"/>                      | <input type="checkbox"/> | Special instructions:                                                                          |
| Sample Preservation Instructions:             |                          |                                                                                                |
| **See LIMS for archive/disposal information** |                          |                                                                                                |

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

|                                                                                       |                                     |                                     |                                                                                                            |
|---------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------|
| Yes                                                                                   | No                                  | N/A                                 | Indicate in Appropriate Box                                                                                |
| <input type="checkbox"/>                                                              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Custody seal present                                                                                       |
| <input type="checkbox"/>                                                              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Seal intact? YES NO                                                                                        |
| <input type="checkbox"/>                                                              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Cooler temperature (acceptable range: 4±2°C or solids:frozen)<br>(if multiple coolers, note temp. of each) |
| <input type="checkbox"/>                                                              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)              |
| <input checked="" type="checkbox"/>                                                   | <input type="checkbox"/>            | <input type="checkbox"/>            | Comment/Remedy:                                                                                            |
| <input type="checkbox"/>                                                              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Were <u>all</u> chain of custody forms signed and dated?                                                   |
| <input type="checkbox"/>                                                              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Were samples filtered at MSL?                                                                              |
| Sample condition(s): <u>Acceptable</u> <u>Other (explain):</u>                        |                                     |                                     |                                                                                                            |
| Container type: <u>Teflon</u> <u>Poly</u> <u>Glass</u> <u>Cap. Vial</u> <u>Other:</u> |                                     |                                     |                                                                                                            |
| Notes:                                                                                |                                     |                                     |                                                                                                            |

Hand delivered to Lab  
from field 4/27/11  
Stored in Walkin Cooler  
until login

Completed By: C. Probst Date/Time: 4/28/11 0900

## SAMPLE PRESERVATION

|                                           |                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------|
| <input type="checkbox"/>                  | Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction) |
| <input type="checkbox"/>                  | Random pH checked for ~10% of samples (use dip paper)                                         |
| <input type="checkbox"/>                  | Complete pH check required for project (use pH meter and record on pH Record form)            |
| <input type="checkbox"/>                  | Sample(s) were preserved at MSL                                                               |
| Type: <input checked="" type="checkbox"/> | 0.2% HNO <sub>3</sub>                                                                         |
| <input type="checkbox"/>                  | 0.5% HCl (Hg samples)                                                                         |
| <input checked="" type="checkbox"/>       | Refrigerate/Freeze                                                                            |
| <input type="checkbox"/>                  | Other                                                                                         |
| Notes:                                    | <u>Optima HNO<sub>3</sub> (10µl) Lot# 1210080</u>                                             |
| Notes:                                    | <u>DDC-freezer Met- to KPLms Sulfide-Lab 130</u>                                              |
| Notes:                                    |                                                                                               |
| Completed By: <u>C. Probst</u>            | Date/Time: <u>4/28/11</u> <u>0930</u>                                                         |
| Storage Shelf:                            |                                                                                               |

## SAMPLE CHAIN OF CUSTODY FORM

Date: 4/27/11

Page: 1 of

COC Number:

SQV05\_Cores/Grabs  
Samples split at MSL

## Battelle

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

| Project No.:                                                 |           |              |                         | EVENT:                          |           |        |              | Laboratory: Battelle MSL                                    |     |        |          |        |         |                   |         |            |                                           |
|--------------------------------------------------------------|-----------|--------------|-------------------------|---------------------------------|-----------|--------|--------------|-------------------------------------------------------------|-----|--------|----------|--------|---------|-------------------|---------|------------|-------------------------------------------|
| Project Name:                                                |           |              |                         |                                 |           |        |              | Address: 1529 W. Sequim Bay Road<br>Sequim, WA 98382        |     |        |          |        |         |                   |         |            |                                           |
| Project Manager: Jill Brandenberger<br>Phone: (360) 681-3668 |           |              |                         | Testing Parameters              |           |        |              | Attention: Jill Brandenberger<br>Observations, Instructions |     |        |          |        |         |                   |         |            |                                           |
| Lab. Use<br>only: Lab<br>ID                                  | Sample ID | Sample Label | Collection<br>Date/Time | Matrix                          | Metals PW | DOC PW | D Sulfide PW | Metals ICP-MS                                               | TOC | Org. C | Sediment | Grains | AMS/SEM | No. of containers | Type    | Station ID | Comments                                  |
|                                                              |           |              |                         |                                 |           |        |              |                                                             |     |        |          |        |         |                   |         |            |                                           |
| See Lab CAC<br>for MSL<br>CODES                              |           | SQV005-      | 4/27/11                 |                                 |           |        |              |                                                             |     |        |          |        |         |                   |         |            |                                           |
|                                                              | -001      | PS03-1       | 4/26/11 1100            | sed                             |           |        |              |                                                             | X   | X      | X        | X      | X       |                   | grab    |            | starts by moor E / across dune            |
|                                                              | -002      | PS03-2       | 1125                    |                                 |           |        |              |                                                             | X   | X      | X        | X      | X       |                   |         |            |                                           |
|                                                              | -003      | PS03-3       |                         |                                 |           |        |              |                                                             | X   | X      | X        | X      | X       |                   |         |            |                                           |
|                                                              | -004      | PS03-4       |                         |                                 |           |        |              |                                                             | X   | X      | X        | X      | X       |                   |         |            |                                           |
|                                                              | -005      | PS03-5       |                         |                                 |           |        |              |                                                             | X   | X      | X        | X      | X       |                   |         |            |                                           |
|                                                              | -006      | PS03-6       |                         |                                 |           |        |              |                                                             | X   | X      | X        | X      | X       |                   |         |            |                                           |
|                                                              | -007      | PS03-7       | 1050                    |                                 | X         | X      | X            | X                                                           | X   | X      |          |        |         |                   | S. core |            | *6 44 ft<br>S. mooring E end (All Grains) |
|                                                              | -008      | PS03-8       | 1100                    |                                 |           |        |              |                                                             | X   | X      | X        | X      | X       |                   |         |            | squeeze core A<br>short core              |
|                                                              | -009      | PS09-1       | 1230                    |                                 |           |        |              |                                                             | X   | X      | X        | X      | X       |                   | grab    |            | behind barge (all shown)                  |
|                                                              | -010      | PS09-2       |                         |                                 |           |        |              |                                                             | X   | X      | X        | X      | X       |                   |         |            |                                           |
|                                                              | -011      | PS09-3       |                         |                                 |           |        |              |                                                             | X   | X      | X        | X      | X       |                   |         |            | end of 004 raison                         |
|                                                              | -012      | PS09-4       | 1235                    |                                 |           |        |              |                                                             | X   | X      | X        | X      | X       |                   |         |            | second transect                           |
|                                                              | -013      | PS09-5       |                         |                                 |           |        |              |                                                             | X   | X      | X        | X      | X       |                   |         |            |                                           |
|                                                              | -014      | PS09-6       |                         |                                 |           |        |              |                                                             | X   | X      | X        | X      | X       |                   |         |            |                                           |
|                                                              | -015      | PS09-7       | 1220                    |                                 | X         | X      | X            | X                                                           | X   | X      |          |        |         |                   | S. core |            | squeeze core B 50 ft                      |
| Relinquished by: <i>[Signature]</i>                          |           |              |                         | Received by: <i>[Signature]</i> |           |        |              | Total # of Containers                                       |     |        |          |        |         |                   |         |            |                                           |
| Signature                                                    |           |              |                         | Signature                       |           |        |              | Shipment Method: Hand                                       |     |        |          |        |         |                   |         |            |                                           |
| Date: 4/28/11                                                |           |              |                         | Date: 4/28/11                   |           |        |              | Shipment Method: Hand                                       |     |        |          |        |         |                   |         |            |                                           |
| Printed Name                                                 |           |              |                         | Printed Name                    |           |        |              | Sample Disposition:                                         |     |        |          |        |         |                   |         |            |                                           |
| Company: MSL                                                 |           |              |                         | Company: MSL                    |           |        |              | Distribution:                                               |     |        |          |        |         |                   |         |            |                                           |
| Relinquished by:                                             |           |              |                         | Received by:                    |           |        |              | 1) 2 copies to the Laboratory                               |     |        |          |        |         |                   |         |            |                                           |
| Signature                                                    |           |              |                         | Signature                       |           |        |              | 2) 1 copy to project manager                                |     |        |          |        |         |                   |         |            |                                           |
| Date                                                         |           |              |                         | Date                            |           |        |              | 3) Return completed original to                             |     |        |          |        |         |                   |         |            |                                           |
| Printed Name                                                 |           |              |                         | Printed Name                    |           |        |              | Battelle Marine Sciences Laboratory                         |     |        |          |        |         |                   |         |            |                                           |
| Company                                                      |           |              |                         | Company                         |           |        |              |                                                             |     |        |          |        |         |                   |         |            |                                           |

# SAMPLE CHAIN OF CUSTODY FORM

Date: 4/27/11  
 Page: 2 of         
 COC Number:                     

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

|                                                              |                    |                                                             |
|--------------------------------------------------------------|--------------------|-------------------------------------------------------------|
| Project No.:                                                 | EVENT:             | Laboratory: Battelle MSL                                    |
| Project Name:                                                |                    | Address: 1529 W. Sequim Bay Road<br>Sequim, WA 98382        |
| Project Manager: Jill Brandenberger<br>Phone: (360) 681-3668 | Testing Parameters | Attention: Jill Brandenberger<br>Observations, Instructions |

| Lab. Use only: ID                     | Sample ID | Sample Label | Collection Date/Time | Matrix | Testing Parameters |        |               |               |     |     |           |      |         |                   | Type | Station ID | Comments                     |
|---------------------------------------|-----------|--------------|----------------------|--------|--------------------|--------|---------------|---------------|-----|-----|-----------|------|---------|-------------------|------|------------|------------------------------|
|                                       |           |              |                      |        | metals PW          | DOC PW | D. sulfol. PW | metals ICP-MS | TOC | Org | screening | G.S. | AVS/SEM | No. of containers |      |            |                              |
| Sec Lab<br>COC for<br>MSL codes<br>8/ | -016      | PS09-9       | 4/27/11 1225         | sed    |                    |        |               | X             | X   | X   | X         | X    | X       |                   | core |            | 50ft / same as squeeze       |
|                                       | -017      | PS10-1       | 4/27/11 1330         |        |                    |        |               |               | X   | X   | X         | X    |         |                   | grab |            | 2 transects 1-3 near caisson |
|                                       | -018      | PS10-2       |                      |        |                    |        |               |               | X   | X   | X         | X    |         |                   |      |            | mid caisson                  |
|                                       | -019      | PS10-3       |                      |        |                    |        |               |               | X   | X   | X         | X    |         |                   |      |            | 40ft                         |
|                                       | -020      | PS10-4       |                      |        |                    |        |               |               | X   | X   | X         | X    |         |                   |      |            | 2nd row                      |
|                                       | -021      | PS10-5       |                      |        |                    |        |               |               | X   | X   | X         | X    |         |                   |      |            |                              |
|                                       | -022      | PS10-6       |                      |        |                    |        |               |               | X   | X   | X         | X    |         |                   |      |            |                              |
|                                       | -023      | PS10-7       | 1320                 |        |                    |        |               | X             | X   | X   | X         |      | X       |                   | core |            | consolidated bottom 50ft     |
|                                       | -024      | PS10.1-1     | 4/27/11 1410         |        |                    |        |               |               | X   | X   | X         | X    |         |                   | grab |            |                              |
|                                       | -025      | PS10.1-2     |                      |        |                    |        |               |               | X   | X   | X         | X    |         |                   |      |            |                              |
|                                       | -026      | PS10.1-3     |                      |        |                    |        |               |               | X   | X   | X         | X    |         |                   |      |            | 30 ft                        |
|                                       | -027      | PS10.1-4     |                      |        |                    |        |               |               | X   | X   | X         | X    |         |                   |      |            |                              |
|                                       | -028      | PS10.1-5     |                      |        |                    |        |               |               | X   | X   | X         | X    |         |                   |      |            | 42 ft                        |
|                                       | -029      | PS10.1-6     |                      |        |                    |        |               |               | X   | X   | X         | X    |         |                   |      |            | 30 ft                        |
|                                       | -030      | PS10.1-7     | 1400                 |        |                    |        |               | X             | X   | X   | X         | X    | X       |                   | core |            | 38 ft. consol. distal        |

|                                                                                              |                                                                                          |                                                                                                                                                       |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relinquished by: <u>[Signature]</u><br>Signature<br>Date: <u>4/27/11</u><br>Time: <u>MSL</u> | Received by: <u>[Signature]</u><br>Signature<br>Date: <u>4/28/11</u><br>Time: <u>MSL</u> | Total # of Containers<br>Shipment Method: <u>Hand</u><br>Shipment Method: <u>Hand</u>                                                                 |
| Printed Name<br>Company                                                                      | Printed Name<br>Company                                                                  | Sample Disposition:                                                                                                                                   |
| Relinquished by: Signature<br>Date<br>Time                                                   | Received by: Signature<br>Date<br>Time                                                   | Distribution:<br>1) 2 copies to the Laboratory<br>2) 1 copy to project manager<br>3) Return completed original to Battelle Marine Sciences Laboratory |
| Printed Name<br>Company                                                                      | Printed Name<br>Company                                                                  |                                                                                                                                                       |

# SAMPLE CHAIN OF CUSTODY FORM

Date: 4/27/11  
 Page: 3 of         
 COC Number:                     

## Battelle

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

|                                                              |                    |                                                             |
|--------------------------------------------------------------|--------------------|-------------------------------------------------------------|
| Project No.:                                                 | EVENT:             | Laboratory: Battelle MSL                                    |
| Project Name:                                                |                    | Address: 1529 W. Sequim Bay Road<br>Sequim, WA 98382        |
| Project Manager: Jill Brandenberger<br>Phone: (360) 681-3668 | Testing Parameters | Attention: Jill Brandenberger<br>Observations, Instructions |

| Lab. Use only: Lab ID    | Sample ID | Sample Label | Collection Date/Time | Matrix | Testing Parameters |         |            |        |     |      |          |      |         |                   | Station ID | Comments                              |
|--------------------------|-----------|--------------|----------------------|--------|--------------------|---------|------------|--------|-----|------|----------|------|---------|-------------------|------------|---------------------------------------|
|                          |           |              |                      |        | metals PLO         | DOC PLO | D. sulfide | metals | TOC | Org. | Seawater | G.S. | AMS/SEM | No. of containers |            |                                       |
| See Lab Col for MSL work | -031      | PS11-1       | 4/27/11 1445         | sed    |                    |         |            |        | x   | x    | x        | x    |         |                   | grab       | 38ft 1st transect / closer to capison |
|                          | -032      | PS11-2       |                      |        |                    |         |            |        | x   | x    | x        | x    |         |                   |            |                                       |
|                          | -033      | PS11-3       |                      |        |                    |         |            |        | x   | x    | x        | x    |         |                   |            | 46ft                                  |
|                          | -034      | PS11-4       | 1508                 |        |                    |         |            |        | x   | x    | x        | x    |         |                   |            | 2nd transect                          |
|                          | -035      | PS11-5       | 1505                 |        |                    |         |            |        | x   | x    | x        | x    |         |                   |            | 52ft                                  |
|                          | -036      | PS11-6       | 1500                 |        |                    |         |            |        | x   | x    | x        | x    |         |                   |            | 49ft                                  |
|                          | -037      | PS11-7       | 1436                 |        |                    |         |            | x      | x   | x    | x        |      | x       |                   | core       | 50ft.                                 |
|                          | -038      | PS08-1       | 1550                 |        |                    |         |            |        | x   | x    | x        | x    |         |                   | grab       |                                       |
|                          | -039      | PS08-2       | 1555                 |        |                    |         |            |        | x   | x    | x        | y    |         |                   |            |                                       |
|                          | -040      | PS08-3       | 1600                 |        |                    |         |            |        | x   | x    | x        | y    |         |                   |            | 32                                    |
|                          | -041      | PS08-4       | 1603                 |        |                    |         |            |        | x   | x    | x        | y    |         |                   |            | 42                                    |
|                          | -042      | PS08-5       | 1607                 |        |                    |         |            |        | x   | x    | x        | y    |         |                   |            | 40                                    |
|                          | -043      | PS08-6       | 1609                 |        |                    |         |            |        | x   | x    | x        | y    |         |                   |            | 42                                    |
|                          | -044      | PS08-7       | 1                    |        |                    |         |            | x      | x   | x    | x        |      | x       |                   | core       |                                       |
|                          | -045      |              |                      |        |                    |         |            |        |     |      |          |      |         |                   |            |                                       |

|                                                                                                   |                                                                                               |                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relinquished by: <u>[Signature]</u> <u>4/27/11</u><br>Signature Date Time<br>Printed Name Company | Received by: <u>[Signature]</u> <u>4/27/11</u><br>Signature Date Time<br>Printed Name Company | Total # of Containers<br>Shipment Method: <u>Hand</u><br>Sample Disposition:<br>Distribution:<br>1) 2 copies to the Laboratory<br>2) 1 copy to project manager<br>3) Return completed original to Battelle Marine Sciences Laboratory |
| Relinquished by: _____<br>Signature Date Time<br>Printed Name Company                             | Received by: _____<br>Signature Date Time<br>Printed Name Company                             |                                                                                                                                                                                                                                       |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011

Core collected 4/27/11

Core split 4/28/11

Pacific Northwest  
NATIONAL LABORATORY

Battelle  
The Business of Innovation

Project Name: Sed Quality Verification Study (Squeeze Core Splits)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered Core/Split at MSL

Preservation: Refrigerate

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

| Line | Field Sample ID |      | Collection Date/Time | Matrix | No. of Containers | Test Parameters |     |          |  |  | Laboratory ID | Observations/Comments   |
|------|-----------------|------|----------------------|--------|-------------------|-----------------|-----|----------|--|--|---------------|-------------------------|
|      |                 |      |                      |        |                   | Metals          | TOC | Organics |  |  |               |                         |
| 1    | SQV05-082       | PS03 | 4/28/2011            | SED    | 1                 | X               |     |          |  |  | 3151-280      | 0-3cm; Squeeze core A   |
| 2    | SQV05-083       | PS03 | 4/28/2011            | SED    | 1                 | X               |     |          |  |  | 3151-281      | 3-6cm; Squeeze core A   |
| 3    | SQV05-084       | PS03 | 4/28/2011            | SED    | 1                 | X               |     |          |  |  | 3151-282      | 6-9cm; Squeeze core A   |
| 4    | SQV05-085       | PS03 | 4/28/2011            | SED    | 1                 | X               |     |          |  |  | 3151-283      | 9-13cm; Squeeze core A  |
| 5    | SQV05-086       | PS03 | 4/28/2011            | SED    | 1                 | X               |     |          |  |  | 3151-284      | 13-19cm; Squeeze core A |
| 6    | SQV05-087       | PS03 | 4/28/2011            | SED    | 1                 | X               |     |          |  |  | 3151-285      | 19-25cm; Squeeze core A |
| 7    | SQV05-088       | PS03 | 4/28/2011            | SED    | 1                 |                 | X   |          |  |  | 3151-292      | 0-3cm; Squeeze core A   |
| 8    | SQV05-089       | PS03 | 4/28/2011            | SED    | 1                 |                 | X   |          |  |  | 3151-293      | 3-6cm; Squeeze core A   |
| 9    | SQV05-090       | PS03 | 4/28/2011            | SED    | 1                 |                 | X   |          |  |  | 3151-294      | 6-9cm; Squeeze core A   |
| 10   | SQV05-091       | PS03 | 4/28/2011            | SED    | 1                 |                 | X   |          |  |  | 3151-295      | 9-13cm; Squeeze core A  |
| 11   | SQV05-092       | PS03 | 4/28/2011            | SED    | 1                 |                 | X   |          |  |  | 3151-296      | 13-19cm; Squeeze core A |
| 12   | SQV05-093       | PS03 | 4/28/2011            | SED    | 1                 |                 | X   |          |  |  | 3151-297A     | 19-25cm; Squeeze core A |
| 13   | SQV05-094       | PS03 | 4/28/2011            | SED    | 1                 |                 |     | X        |  |  | 3151-303      | 0-3cm; Squeeze core A   |
| 14   | SQV05-095       | PS03 | 4/28/2011            | SED    | 1                 |                 |     | X        |  |  | 3151-304      | 3-6cm; Squeeze core A   |
| 15   | SQV05-096       | PS03 | 4/28/2011            | SED    | 1                 |                 |     | X        |  |  | 3151-305      | 6-9cm; Squeeze core A   |

Relinquished By:

Company:

*[Signature]*

4/28/11

Signature/Printed Name

Date/Time

Received By:

Company:

MSL

*[Signature]* C. SUSLUK

4/28/11 1130

Signature/Printed Name

Date/Time

Relinquished By:

Company:

Signature/Printed Name

Date/Time

Received By:

Company:

Signature/Printed Name

Date/Time

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011

Core collected 4/27/11

Core split 4/28/11



**Battelle**  
The Business of Innovation

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: Sed Quality Verification Study (Squeeze Core Splits)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered Core/Split at MSL

Preservation: Refrigerate

| Line | Field Sample ID |      | Collection Date/Time | Matrix | No. of Containers | Test Parameters |     |          |  |  | Laboratory ID | Observations/Comments        |
|------|-----------------|------|----------------------|--------|-------------------|-----------------|-----|----------|--|--|---------------|------------------------------|
|      |                 |      |                      |        |                   | Metals          | TOC | Organics |  |  |               |                              |
| 1    | SQV05-097       | PS03 | 4/28/2011            | SED    | 1                 |                 |     | X        |  |  | 3151-306      | 9-13cm; Squeeze core A       |
| 2    | SQV05-098       | PS03 | 4/28/2011            | SED    | 1                 |                 |     | X        |  |  | 3151-307      | 13-19cm; Squeeze core A      |
| 3    | SQV05-099       | PS03 | 4/28/2011            | SED    | 1                 |                 |     | X        |  |  | 3151-308      | 19-25cm; Squeeze core A      |
| 4    | SQV05-100       | PS09 | 4/28/2011            | SED    | 1                 | X               |     |          |  |  | 3151-286      | 0-3cm; Squeeze core B 50ft   |
| 5    | SQV05-101       | PS09 | 4/28/2011            | SED    | 1                 | X               |     |          |  |  | 3151-287      | 3-6cm; Squeeze core B 50ft   |
| 6    | SQV05-102       | PS09 | 4/28/2011            | SED    | 1                 | X               |     |          |  |  | 3151-288      | 6-9cm; Squeeze core B 50ft   |
| 7    | SQV05-103       | PS09 | 4/28/2011            | SED    | 1                 | X               |     |          |  |  | 3151-289      | 9-13cm; Squeeze core B 50ft  |
| 8    | SQV05-104       | PS09 | 4/28/2011            | SED    | 1                 | X               |     |          |  |  | 3151-290      | 13-19cm; Squeeze core B 50ft |
| 9    | SQV05-105       | PS09 | 4/28/2011            | SED    | 1                 | X               |     |          |  |  | 3151-291      | 19-25cm; Squeeze core B 50ft |
| 10   | SQV05-106       | PS09 | 4/28/2011            | SED    | 1                 |                 | X   |          |  |  | 3151-297B     | 0-3cm; Squeeze core B 50ft   |
| 11   | SQV05-107       | PS09 | 4/28/2011            | SED    | 1                 |                 | X   |          |  |  | 3151-298      | 3-6cm; Squeeze core B 50ft   |
| 12   | SQV05-108       | PS09 | 4/28/2011            | SED    | 1                 |                 | X   |          |  |  | 3151-299      | 6-9cm; Squeeze core B 50ft   |
| 13   | SQV05-109       | PS09 | 4/28/2011            | SED    | 1                 |                 | X   |          |  |  | 3151-300      | 9-13cm; Squeeze core B 50ft  |
| 14   | SQV05-110       | PS09 | 4/28/2011            | SED    | 1                 |                 | X   |          |  |  | 3151-301      | 13-19cm; Squeeze core B 50ft |
| 15   | SQV05-111       | PS09 | 4/28/2011            | SED    | 1                 |                 | X   |          |  |  | 3151-302      | 19-25cm; Squeeze core B 50ft |

|                        |           |
|------------------------|-----------|
| Relinquished By:       | Company:  |
|                        | 4/28/11   |
| Signature/Printed Name | Date/Time |

|                        |           |
|------------------------|-----------|
| Received By:           | Company:  |
|                        | MSL       |
| Signature/Printed Name | Date/Time |

|                        |           |
|------------------------|-----------|
| Relinquished By:       | Company:  |
|                        |           |
| Signature/Printed Name | Date/Time |

|                        |           |
|------------------------|-----------|
| Received By:           | Company:  |
|                        |           |
| Signature/Printed Name | Date/Time |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011

Core collected 4/27/11

Core split 4/28/11



**Battelle**  
The Business of Innovation

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: Sed Quality Verification Study (Squeeze Core Splits)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered Core/Split at MSL

Preservation: Refrigerate

| Line | Field Sample ID |      | Collection Date/Time | Matrix | No. of Containers | Test Parameters |     |          |  |  | Laboratory ID | Observations/Comments        |
|------|-----------------|------|----------------------|--------|-------------------|-----------------|-----|----------|--|--|---------------|------------------------------|
|      |                 |      |                      |        |                   | Metals          | TOC | Organics |  |  |               |                              |
| 1    | SQV05-112       | PS09 | 4/28/2011            | SED    | 1                 |                 |     | X        |  |  | 3151-309      | 0-3cm; Squeeze core B 50ft   |
| 2    | SQV05-113       | PS03 | 4/28/2011            | SED    | 1                 |                 |     | X        |  |  | 3151-310      | 3-6cm; Squeeze core B 50ft   |
| 3    | SQV05-114       | PS03 | 4/28/2011            | SED    | 1                 |                 |     | X        |  |  | 3151-311      | 6-9cm; Squeeze core B 50ft   |
| 4    | SQV05-115       | PS09 | 4/28/2011            | SED    | 1                 |                 |     | X        |  |  | 3151-312      | 9-13cm; Squeeze core B 50ft  |
| 5    | SQV05-116       | PS09 | 4/28/2011            | SED    | 1                 |                 |     | X        |  |  | 3151-313      | 13-19cm; Squeeze core B 50ft |
| 6    | SQV05-117       | PS09 | 4/28/2011            | SED    | 1                 |                 |     | X        |  |  | 3151-314      | 19-25cm; Squeeze core B 50ft |
| 7    | --end of list-- |      |                      |        |                   |                 |     |          |  |  |               |                              |
| 8    |                 |      |                      |        |                   |                 |     |          |  |  |               |                              |
| 9    |                 |      |                      |        |                   |                 |     |          |  |  |               |                              |
| 10   |                 |      |                      |        |                   |                 |     |          |  |  |               |                              |
| 11   |                 |      |                      |        |                   |                 |     |          |  |  |               |                              |
| 12   |                 |      |                      |        |                   |                 |     |          |  |  |               |                              |
| 13   |                 |      |                      |        |                   |                 |     |          |  |  |               |                              |
| 14   |                 |      |                      |        |                   |                 |     |          |  |  |               |                              |
| 15   |                 |      |                      |        |                   |                 |     |          |  |  |               |                              |

|                        |              |
|------------------------|--------------|
| Relinquished By:       | Company:     |
|                        | 4/28/11 1130 |
| Signature/Printed Name | Date/Time    |

|                        |                  |
|------------------------|------------------|
| Received By:           | Company:         |
|                        | MSL 4/28/11 1130 |
| Signature/Printed Name | Date/Time        |

|                        |           |
|------------------------|-----------|
| Relinquished By:       | Company:  |
|                        |           |
| Signature/Printed Name | Date/Time |

|                        |           |
|------------------------|-----------|
| Received By:           | Company:  |
|                        |           |
| Signature/Printed Name | Date/Time |

# SAMPLE LOGIN

Project Manager: Brandenberger

Date Received: 4/28/2011

Batch: SQV05

Login Designee: CSuslick

Project: **Sed Qual Validation Study (SQV05)**



Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

| Sponsor ID | Site Description |         | Type         | Battelle Code | Matrix | Storage Location | Requested Parameters | Collection Date |
|------------|------------------|---------|--------------|---------------|--------|------------------|----------------------|-----------------|
| SQV05-082  | PS03             | 0-3cm   | Squeeze Core | 3151-280      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-083  | PS03             | 3-6cm   | Squeeze Core | 3151-281      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-084  | PS03             | 6-9cm   | Squeeze Core | 3151-282      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-085  | PS03             | 9-13cm  | Squeeze Core | 3151-283      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-086  | PS03             | 13-19cm | Squeeze Core | 3151-284      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-087  | PS03             | 19-25cm | Squeeze Core | 3151-285      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-088  | PS03             | 0-3cm   | Squeeze Core | 3151-292      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-089  | PS03             | 3-6cm   | Squeeze Core | 3151-293      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-090  | PS03             | 6-9cm   | Squeeze Core | 3151-294      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-091  | PS03             | 9-13cm  | Squeeze Core | 3151-295      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-092  | PS03             | 13-19cm | Squeeze Core | 3151-296      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-093  | PS03             | 19-25cm | Squeeze Core | 3151-296      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-094  | PS03             | 0-3cm   | Squeeze Core | 3151-303      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-095  | PS03             | 3-6cm   | Squeeze Core | 3151-304      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-096  | PS03             | 6-9cm   | Squeeze Core | 3151-305      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-097  | PS03             | 9-13cm  | Squeeze Core | 3151-306      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-098  | PS03             | 13-19cm | Squeeze Core | 3151-307      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-099  | PS03             | 19-25cm | Squeeze Core | 3151-308      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-100  | PS09             | 0-3cm   | Squeeze Core | 3151-286      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-101  | PS09             | 3-6cm   | Squeeze Core | 3151-287      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-102  | PS09             | 6-9cm   | Squeeze Core | 3151-288      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-103  | PS09             | 9-13cm  | Squeeze Core | 3151-289      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-104  | PS09             | 13-19cm | Squeeze Core | 3151-290      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-105  | PS09             | 19-25cm | Squeeze Core | 3151-291      | SED    | Deep Freezer     | Metals               | 04/27/11        |

## **SAMPLE LOGIN**

Project Manager: Brandenberger

Date Received: 4/28/2011

Batch: SQV05

Login Designee: CSuslick

Project: **Sed Qual Validation Study (SQV05)**



*Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565*

| <b>Sponsor ID</b> | <b>Site Description</b> |         | <b>Type</b>  | <b>Battelle Code</b> | <b>Matrix</b> | <b>Storage Location</b> | <b>Requested Parameters</b> | <b>Collection Date</b> |
|-------------------|-------------------------|---------|--------------|----------------------|---------------|-------------------------|-----------------------------|------------------------|
| SQV05-106         | PS09                    | 0-3cm   | Squeeze Core | 3151-297             | SED           | Walkin Cooler           | TOC                         | 04/27/11               |
| SQV05-107         | PS09                    | 3-6cm   | Squeeze Core | 3151-298             | SED           | Walkin Cooler           | TOC                         | 04/27/11               |
| SQV05-108         | PS09                    | 6-9cm   | Squeeze Core | 3151-299             | SED           | Walkin Cooler           | TOC                         | 04/27/11               |
| SQV05-109         | PS09                    | 9-13cm  | Squeeze Core | 3151-300             | SED           | Walkin Cooler           | TOC                         | 04/27/11               |
| SQV05-110         | PS09                    | 13-19cm | Squeeze Core | 3151-301             | SED           | Walkin Cooler           | TOC                         | 04/27/11               |
| SQV05-111         | PS09                    | 19-25cm | Squeeze Core | 3151-302             | SED           | Walkin Cooler           | TOC                         | 04/27/11               |
| SQV05-112         | PS09                    | 0-3cm   | Squeeze Core | 3151-309             | SED           | Walkin Freezer          | Organics                    | 04/27/11               |
| SQV05-113         | PS03                    | 3-6cm   | Squeeze Core | 3151-310             | SED           | Walkin Freezer          | Organics                    | 04/27/11               |
| SQV05-114         | PS03                    | 6-9cm   | Squeeze Core | 3151-311             | SED           | Walkin Freezer          | Organics                    | 04/27/11               |
| SQV05-115         | PS09                    | 9-13cm  | Squeeze Core | 3151-312             | SED           | Walkin Freezer          | Organics                    | 04/27/11               |
| SQV05-116         | PS09                    | 13-19cm | Squeeze Core | 3151-313             | SED           | Walkin Freezer          | Organics                    | 04/27/11               |
| SQV05-117         | PS09                    | 19-25cm | Squeeze Core | 3151-314             | SED           | Walkin Freezer          | Organics                    | 04/27/11               |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Core collected 4/27/11

Core split 4/28/11

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: Sed Quality Verification Study (Clear/Short Core Splits)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered Core/Split at MSL

Preservation: Refrigerate

|                                                          |                 |      |                      |        |                   |                 |     |                            |           |  |                                                                                                                   |                         |
|----------------------------------------------------------|-----------------|------|----------------------|--------|-------------------|-----------------|-----|----------------------------|-----------|--|-------------------------------------------------------------------------------------------------------------------|-------------------------|
| Project Manager: <u>Brandenberger</u>                    |                 |      |                      |        | No. of Containers | Test Parameters |     |                            |           |  | Pacific Northwest Division<br>Marine Sciences Laboratory<br>1529 West Sequim Bay Road<br>Sequim, Washington 98382 |                         |
| Phone Number: _____                                      |                 |      |                      |        |                   | Metals          | TOC | Organics conf<br>+ AVS/SEM | Screening |  |                                                                                                                   |                         |
| Shipment Method: <u>Hand Delivered Core/Split at MSL</u> |                 |      |                      |        |                   |                 |     |                            |           |  |                                                                                                                   |                         |
| Preservation: <u>Refrigerate</u>                         |                 |      |                      |        |                   |                 |     |                            |           |  |                                                                                                                   |                         |
|                                                          |                 |      |                      |        |                   |                 |     |                            |           |  |                                                                                                                   |                         |
| Line                                                     | Field Sample ID |      | Collection Date/Time | Matrix |                   |                 |     |                            |           |  | Laboratory ID                                                                                                     | Observations/Comments   |
| 1                                                        | SQV05-118       | PS03 | 4/28/2011            | SED    | 1                 | X               |     |                            |           |  | 3151-315                                                                                                          | 0-3cm; Clear core 008   |
| 2                                                        | SQV05-119       | PS03 | 4/28/2011            | SED    | 1                 | X               |     |                            |           |  | 3151-316                                                                                                          | 3-6cm; Clear core 008   |
| 3                                                        | SQV05-120       | PS03 | 4/28/2011            | SED    | 1                 | X               |     |                            |           |  | 3151-317                                                                                                          | 6-9cm; Clear core 008   |
| 4                                                        | SQV05-121       | PS03 | 4/28/2011            | SED    | 1                 | X               |     |                            |           |  | 3151-318                                                                                                          | 9-13cm; Clear core 008  |
| 5                                                        | SQV05-122       | PS03 | 4/28/2011            | SED    | 1                 | X               |     |                            |           |  | 3151-319                                                                                                          | 13-19cm; Clear core 008 |
| 6                                                        | SQV05-123       | PS03 | 4/28/2011            | SED    | 1                 | X               |     |                            |           |  | 3151-320                                                                                                          | 19-25cm; Clear core 008 |
| 7                                                        | SQV05-124       | PS03 | 4/28/2011            | SED    | 1                 |                 | X   |                            |           |  | 3151-351                                                                                                          | 0-3cm; Clear core 008   |
| 8                                                        | SQV05-125       | PS03 | 4/28/2011            | SED    | 1                 |                 | X   |                            |           |  | 3151-352                                                                                                          | 3-6cm; Clear core 008   |
| 9                                                        | SQV05-126       | PS03 | 4/28/2011            | SED    | 1                 |                 | X   |                            |           |  | 3151-353                                                                                                          | 6-9cm; Clear core 008   |
| 10                                                       | SQV05-127       | PS03 | 4/28/2011            | SED    | 1                 |                 | X   |                            |           |  | 3151-354                                                                                                          | 9-13cm; Clear core 008  |
| 11                                                       | SQV05-128       | PS03 | 4/28/2011            | SED    | 1                 |                 | X   |                            |           |  | 3151-355                                                                                                          | 13-19cm; Clear core 008 |
| 12                                                       | SQV05-129       | PS03 | 4/28/2011            | SED    | 1                 |                 | X   |                            |           |  | 3151-356                                                                                                          | 19-25cm; Clear core 008 |
| 13                                                       | SQV05-130       | PS03 | 4/28/2011            | SED    | 1                 |                 |     | X                          |           |  | 3151-387                                                                                                          | 0-3cm; Clear core 008   |
| 14                                                       | SQV05-131       | PS03 | 4/28/2011            | SED    | 1                 |                 |     | X                          |           |  | 3151-388                                                                                                          | 3-6cm; Clear core 008   |
| 15                                                       | SQV05-132       | PS03 | 4/28/2011            | SED    | 1                 |                 |     | X                          |           |  | 3151-389                                                                                                          | 6-9cm; Clear core 008   |
| 16                                                       | SQV05-132       | PS03 | 4/28/2011            | SED    | 1                 |                 |     | X                          |           |  | 3151-390                                                                                                          | 9-13cm; Clear core 008  |
| 17                                                       | SQV05-133       | PS03 | 4/28/2011            | SED    | 1                 |                 |     | X                          |           |  | 3151-391                                                                                                          | 13-19cm; Clear core 008 |
| 18                                                       | SQV05-134       | PS03 | 4/28/2011            | SED    | 1                 |                 |     | X                          |           |  | 3151-392                                                                                                          | 19-25cm; Clear core 008 |
| 19                                                       | SQV05-135       | PS09 | 4/28/2011            | SED    | 1                 | X               |     |                            |           |  | 3151-321                                                                                                          | 0-3cm; Clear core 016   |
| 20                                                       | SQV05-136       | PS09 | 4/28/2011            | SED    | 1                 | X               |     |                            |           |  | 3151-322                                                                                                          | 3-6cm; Clear core 016   |
| 21                                                       | SQV05-137       | PS09 | 4/28/2011            | SED    | 1                 | X               |     |                            |           |  | 3151-323                                                                                                          | 6-9cm; Clear core 016   |
| 22                                                       | SQV05-138       | PS09 | 4/28/2011            | SED    | 1                 | X               |     |                            |           |  | 3151-324                                                                                                          | 9-13cm; Clear core 016  |
| 23                                                       | SQV05-139       | PS09 | 4/28/2011            | SED    | 1                 | X               |     |                            |           |  | 3151-325                                                                                                          | 13-19cm; Clear core 016 |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Core collected 4/27/11

Core split 4/28/11

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: Sed Quality Verification Study (Clear/Short Core Splits)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered Core/Split at MSL

Preservation: Refrigerate

| Line | Field Sample ID |      | Collection Date/Time | Matrix | No. of Containers | Test Parameters |     |                         |           |  | Laboratory ID | Observations/Comments   |
|------|-----------------|------|----------------------|--------|-------------------|-----------------|-----|-------------------------|-----------|--|---------------|-------------------------|
|      |                 |      |                      |        |                   | Metals          | TOC | Organics conf + AVS/SEM | Screening |  |               |                         |
| 24   | SQV05-140       | PS09 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-326      | 19-23cm; Clear core 016 |
| 25   | SQV05-141       | PS09 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-357      | 0-3cm; Clear core 016   |
| 26   | SQV05-142       | PS09 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-358      | 3-6cm; Clear core 016   |
| 27   | SQV05-143       | PS09 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-359      | 6-9cm; Clear core 016   |
| 28   | SQV05-144       | PS09 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-360      | 9-13cm; Clear core 016  |
| 29   | SQV05-145       | PS09 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-361      | 13-19cm; Clear core 016 |
| 30   | SQV05-146       | PS09 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-362      | 19-23cm; Clear core 016 |
| 31   | SQV05-147       | PS09 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-393      | 0-3cm; Clear core 016   |
| 32   | SQV05-148       | PS09 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-394      | 3-6cm; Clear core 016   |
| 33   | SQV05-149       | PS09 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-395      | 6-9cm; Clear core 016   |
| 34   | SQV05-150       | PS09 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-396      | 9-13cm; Clear core 016  |
| 35   | SQV05-151       | PS09 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-397      | 13-19cm; Clear core 016 |
| 36   | SQV05-152       | PS09 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-398      | 19-23cm; Clear core 016 |
| 37   | SQV05-153       | PS10 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-327      | 0-3cm; Clear core 023   |
| 38   | SQV05-154       | PS10 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-328      | 3-6cm; Clear core 023   |
| 39   | SQV05-155       | PS10 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-329      | 6-9cm; Clear core 023   |
| 40   | SQV05-156       | PS10 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-330      | 9-13cm; Clear core 023  |
| 41   | SQV05-157       | PS10 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-331      | 13-19cm; Clear core 023 |
| 42   | SQV05-158       | PS10 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-332      | 19-25cm; Clear core 023 |
| 43   | SQV05-159       | PS10 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-363      | 0-3cm; Clear core 023   |
| 44   | SQV05-160       | PS10 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-364      | 3-6cm; Clear core 023   |
| 45   | SQV05-161       | PS10 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-365      | 6-9cm; Clear core 023   |
| 46   | SQV05-162       | PS10 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-366      | 9-13cm; Clear core 023  |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Core collected 4/27/11

Core split 4/28/11

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: Sed Quality Verification Study (Clear/Short Core Splits)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered Core/Split at MSL

Preservation: Refrigerate

| Line | Field Sample ID |        | Collection Date/Time | Matrix | No. of Containers | Test Parameters |     |                         |           |  | Laboratory ID | Observations/Comments   |
|------|-----------------|--------|----------------------|--------|-------------------|-----------------|-----|-------------------------|-----------|--|---------------|-------------------------|
|      |                 |        |                      |        |                   | Metals          | TOC | Organics conf + AVS/SEM | Screening |  |               |                         |
| 47   | SQV05-163       | PS10   | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-367      | 13-19cm; Clear core 023 |
| 48   | SQV05-164       | PS10   | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-368      | 19-25cm; Clear core 023 |
| 49   | SQV05-165       | PS10   | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-399      | 0-3cm; Clear core 023   |
| 50   | SQV05-166       | PS10   | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-400      | 3-6cm; Clear core 023   |
| 51   | SQV05-167       | PS10   | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-401      | 6-9cm; Clear core 023   |
| 52   | SQV05-168       | PS10   | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-402      | 9-13cm; Clear core 023  |
| 53   | SQV05-169       | PS10   | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-403      | 13-19cm; Clear core 023 |
| 54   | SQV05-170       | PS10   | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-404      | 19-25cm; Clear core 023 |
| 55   | SQV05-171       | PS10.1 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-333      | 0-3cm; Clear core 030   |
| 56   | SQV05-172       | PS10.1 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-334      | 3-6cm; Clear core 030   |
| 57   | SQV05-173       | PS10.1 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-335      | 6-9cm; Clear core 030   |
| 58   | SQV05-174       | PS10.1 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-336      | 9-13cm; Clear core 030  |
| 59   | SQV05-175       | PS10.1 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-337      | 13-19cm; Clear core 030 |
| 60   | SQV05-176       | PS10.1 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-338      | 19-24cm; Clear core 030 |
| 61   | SQV05-177       | PS10.1 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-369      | 0-3cm; Clear core 030   |
| 62   | SQV05-178       | PS10.1 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-370      | 3-6cm; Clear core 030   |
| 63   | SQV05-179       | PS10.1 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-371      | 6-9cm; Clear core 030   |
| 64   | SQV05-180       | PS10.1 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-372      | 9-13cm; Clear core 030  |
| 65   | SQV05-181       | PS10.1 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-373      | 13-19cm; Clear core 030 |
| 66   | SQV05-182       | PS10.1 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-374      | 19-24cm; Clear core 030 |
| 67   | SQV05-183       | PS10.1 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-405      | 0-3cm; Clear core 030   |
| 68   | SQV05-184       | PS10.1 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-406      | 3-6cm; Clear core 030   |
| 69   | SQV05-185       | PS10.1 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-407      | 6-9cm; Clear core 030   |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Core collected 4/27/11

Core split 4/28/11

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: Sed Quality Verification Study (Clear/Short Core Splits)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered Core/Split at MSL

Preservation: Refrigerate

| Line | Field Sample ID |        | Collection Date/Time | Matrix | No. of Containers | Test Parameters |     |                         |           |  | Laboratory ID | Observations/Comments   |
|------|-----------------|--------|----------------------|--------|-------------------|-----------------|-----|-------------------------|-----------|--|---------------|-------------------------|
|      |                 |        |                      |        |                   | Metals          | TOC | Organics conf + AVS/SEM | Screening |  |               |                         |
| 70   | SQV05-186       | PS10.1 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-408      | 9-13cm; Clear core 030  |
| 71   | SQV05-187       | PS10.1 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-409      | 13-19cm; Clear core 030 |
| 72   | SQV05-188       | PS10.1 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-410      | 19-24cm; Clear core 030 |
| 73   | SQV05-189       | PS11   | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-339      | 0-3cm; Clear core 037   |
| 74   | SQV05-190       | PS11   | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-340      | 3-6cm; Clear core 037   |
| 75   | SQV05-191       | PS11   | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-341      | 6-9cm; Clear core 037   |
| 76   | SQV05-192       | PS11   | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-342      | 9-13cm; Clear core 037  |
| 77   | SQV05-193       | PS11   | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-343      | 13-19cm; Clear core 037 |
| 78   | SQV05-194       | PS11   | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-344      | 19-25cm; Clear core 037 |
| 79   | SQV05-195       | PS11   | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-375      | 0-3cm; Clear core 037   |
| 80   | SQV05-196       | PS11   | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-376      | 3-6cm; Clear core 037   |
| 81   | SQV05-197       | PS11   | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-377      | 6-9cm; Clear core 037   |
| 82   | SQV05-198       | PS11   | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-378      | 9-13cm; Clear core 037  |
| 83   | SQV05-199       | PS11   | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-379      | 13-19cm; Clear core 037 |
| 84   | SQV05-200       | PS11   | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-380      | 19-25cm; Clear core 037 |
| 85   | SQV05-201       | PS11   | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-411      | 0-3cm; Clear core 037   |
| 86   | SQV05-202       | PS11   | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-412      | 3-6cm; Clear core 037   |
| 87   | SQV05-203       | PS11   | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-413      | 6-9cm; Clear core 037   |
| 88   | SQV05-204       | PS11   | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-414      | 9-13cm; Clear core 037  |
| 89   | SQV05-205       | PS11   | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-415      | 13-19cm; Clear core 037 |
| 90   | SQV05-206       | PS11   | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-416      | 19-25cm; Clear core 037 |
| 91   | SQV05-207       | PS08   | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-345      | 0-3cm; Clear core 044   |
| 92   | SQV05-208       | PS08   | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-346      | 3-6cm; Clear core 044   |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Core collected 4/27/11

Core split 4/28/11

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: Sed Quality Verification Study (Clear/Short Core Splits)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered Core/Split at MSL

Preservation: Refrigerate

| Line | Field Sample ID |      | Collection Date/Time | Matrix | No. of Containers | Test Parameters |     |                         |           |  | Laboratory ID | Observations/Comments   |
|------|-----------------|------|----------------------|--------|-------------------|-----------------|-----|-------------------------|-----------|--|---------------|-------------------------|
|      |                 |      |                      |        |                   | Metals          | TOC | Organics conf + AVS/SEM | Screening |  |               |                         |
| 93   | SQV05-209       | PS08 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-347      | 6-9cm; Clear core 044   |
| 94   | SQV05-210       | PS08 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-348      | 9-13cm; Clear core 044  |
| 95   | SQV05-211       | PS08 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-349      | 13-19cm; Clear core 044 |
| 96   | SQV05-212       | PS08 | 4/28/2011            | SED    | 1                 | X               |     |                         |           |  | 3151-350      | 19-25cm; Clear core 044 |
| 97   | SQV05-213       | PS08 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-381      | 0-3cm; Clear core 044   |
| 98   | SQV05-214       | PS08 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-382      | 3-6cm; Clear core 044   |
| 99   | SQV05-215       | PS08 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-383      | 6-9cm; Clear core 044   |
| 100  | SQV05-216       | PS08 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-384      | 9-13cm; Clear core 044  |
| 101  | SQV05-217       | PS08 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-385      | 13-19cm; Clear core 044 |
| 102  | SQV05-218       | PS08 | 4/28/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-386      | 19-25cm; Clear core 044 |
| 103  | SQV05-219       | PS08 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-417      | 0-3cm; Clear core 044   |
| 104  | SQV05-220       | PS08 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-418      | 3-6cm; Clear core 044   |
| 105  | SQV05-221       | PS08 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-419      | 6-9cm; Clear core 044   |
| 106  | SQV05-222       | PS08 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-420      | 9-13cm; Clear core 044  |
| 107  | SQV05-223       | PS08 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-421      | 13-19cm; Clear core 044 |
| 108  | SQV05-224       | PS08 | 4/28/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-422      | 19-25cm; Clear core 044 |

Relinquished By:

Company:

*[Signature]*

4/28/11 1600

Signature/Printed Name

Date/Time

Received By:

Company:

*[Signature]* C. Susser

4/28/11 1600

Signature/Printed Name

Date/Time

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Core collected 4/27/11

Core split 4/28/11

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: Sed Quality Verification Study (Clear/Short Core Splits)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered Core/Split at MSL

Preservation: Refrigerate

|                                                          |                 |        |                      |        |                   |                 |     |                            |           |  |                                                                                                                   |                         |
|----------------------------------------------------------|-----------------|--------|----------------------|--------|-------------------|-----------------|-----|----------------------------|-----------|--|-------------------------------------------------------------------------------------------------------------------|-------------------------|
| Project Manager: <u>Brandenberger</u>                    |                 |        |                      |        | No. of Containers | Test Parameters |     |                            |           |  | Pacific Northwest Division<br>Marine Sciences Laboratory<br>1529 West Sequim Bay Road<br>Sequim, Washington 98382 |                         |
| Phone Number: _____                                      |                 |        |                      |        |                   | Metals          | TOC | Organics conf<br>+ AVS/SEM | Screening |  |                                                                                                                   |                         |
| Shipment Method: <u>Hand Delivered Core/Split at MSL</u> |                 |        |                      |        |                   |                 |     |                            |           |  |                                                                                                                   |                         |
| Preservation: <u>Refrigerate</u>                         |                 |        |                      |        |                   |                 |     |                            |           |  |                                                                                                                   |                         |
| Line                                                     | Field Sample ID |        | Collection Date/Time | Matrix |                   |                 |     |                            |           |  | Laboratory ID                                                                                                     | Observations/Comments   |
| Screening - Clear/Short Cores                            |                 |        |                      |        |                   |                 |     |                            |           |  |                                                                                                                   |                         |
| 1                                                        | SQV05-225       | PS03   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 0-3cm; Clear core 008   |
| 2                                                        | SQV05-226       | PS03   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 3-6cm; Clear core 008   |
| 3                                                        | SQV05-227       | PS03   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 6-9cm; Clear core 008   |
| 4                                                        | SQV05-228       | PS03   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 9-13cm; Clear core 008  |
| 5                                                        | SQV05-229       | PS03   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 13-19cm; Clear core 008 |
| 6                                                        | SQV05-230       | PS03   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 19-25cm; Clear core 008 |
| 7                                                        | SQV05-231       | PS09   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 0-3cm; Clear core 016   |
| 8                                                        | SQV05-232       | PS09   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 3-6cm; Clear core 016   |
| 9                                                        | SQV05-233       | PS09   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 6-9cm; Clear core 016   |
| 10                                                       | SQV05-234       | PS09   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 9-13cm; Clear core 016  |
| 11                                                       | SQV05-235       | PS09   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 13-19cm; Clear core 016 |
| 12                                                       | SQV05-236       | PS09   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 19-23cm; Clear core 016 |
| 13                                                       | SQV05-237       | PS10   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 0-3cm; Clear core 023   |
| 14                                                       | SQV05-238       | PS10   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 3-6cm; Clear core 023   |
| 15                                                       | SQV05-239       | PS10   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 6-9cm; Clear core 023   |
| 16                                                       | SQV05-240       | PS10   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 9-13cm; Clear core 023  |
| 17                                                       | SQV05-241       | PS10   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 13-19cm; Clear core 023 |
| 18                                                       | SQV05-242       | PS10   | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 19-25cm; Clear core 023 |
| 19                                                       | SQV05-243       | PS10.1 | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 0-3cm; Clear core 030   |
| 20                                                       | SQV05-244       | PS10.1 | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 3-6cm; Clear core 030   |
| 21                                                       | SQV05-245       | PS10.1 | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 6-9cm; Clear core 030   |
| 22                                                       | SQV05-246       | PS10.1 | 4/28/2011            | SED    | 1                 |                 |     |                            | X         |  |                                                                                                                   | 9-13cm; Clear core 030  |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Core collected 4/27/11

Core split 4/28/11

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: Sed Quality Verification Study (Clear/Short Core Splits)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered Core/Split at MSL

Preservation: Refrigerate

| Line | Field Sample ID |        | Collection Date/Time | Matrix | No. of Containers | Test Parameters |     |                         |           |  | Laboratory ID | Observations/Comments   |
|------|-----------------|--------|----------------------|--------|-------------------|-----------------|-----|-------------------------|-----------|--|---------------|-------------------------|
|      |                 |        |                      |        |                   | Metals          | TOC | Organics conf + AVS/SEM | Screening |  |               |                         |
| 23   | SQV05-247       | PS10.1 | 4/28/2011            | SED    | 1                 |                 |     |                         | X         |  |               | 13-19cm; Clear core 030 |
| 24   | SQV05-248       | PS10.1 | 4/28/2011            | SED    | 1                 |                 |     |                         | X         |  |               | 19-24cm; Clear core 030 |
| 25   | SQV05-249       | PS11   | 4/28/2011            | SED    | 1                 |                 |     |                         | X         |  |               | 0-3cm; Clear core 037   |
| 26   | SQV05-250       | PS11   | 4/28/2011            | SED    | 1                 |                 |     |                         | X         |  |               | 3-6cm; Clear core 037   |
| 27   | SQV05-251       | PS11   | 4/28/2011            | SED    | 1                 |                 |     |                         | X         |  |               | 6-9cm; Clear core 037   |
| 28   | SQV05-252       | PS11   | 4/28/2011            | SED    | 1                 |                 |     |                         | X         |  |               | 9-13cm; Clear core 037  |
| 29   | SQV05-253       | PS11   | 4/28/2011            | SED    | 1                 |                 |     |                         | X         |  |               | 13-19cm; Clear core 037 |
| 30   | SQV05-254       | PS11   | 4/28/2011            | SED    | 1                 |                 |     |                         | X         |  |               | 19-25cm; Clear core 037 |
| 31   | SQV05-255       | PS08   | 4/28/2011            | SED    | 1                 |                 |     |                         | X         |  |               | 0-3cm; Clear core 044   |
| 32   | SQV05-256       | PS08   | 4/28/2011            | SED    | 1                 |                 |     |                         | X         |  |               | 3-6cm; Clear core 044   |
| 33   | SQV05-257       | PS08   | 4/28/2011            | SED    | 1                 |                 |     |                         | X         |  |               | 6-9cm; Clear core 044   |
| 34   | SQV05-258       | PS08   | 4/28/2011            | SED    | 1                 |                 |     |                         | X         |  |               | 9-13cm; Clear core 044  |
| 35   | SQV05-259       | PS08   | 4/28/2011            | SED    | 1                 |                 |     |                         | X         |  |               | 13-19cm; Clear core 044 |
| 36   | SQV05-260       | PS08   | 4/28/2011            | SED    | 1                 |                 |     |                         | X         |  |               | 19-25cm; Clear core 044 |

|          |                              |
|----------|------------------------------|
| Core ID: | PS09 / SQV-016 <sup>05</sup> |
|----------|------------------------------|

[illegible]

## Core Description

Core ID:

Core ID: PS03-S&V05-08

[illegible]

|          |      |
|----------|------|
| Core ID: | PS10 |
|----------|------|

P516

SAV05-022

Date: 4/27/11

[illegible]

## Core Description

Core ID: SGV05-007

[illegible]

|          |           |
|----------|-----------|
| Core ID: | SQV05-015 |
|----------|-----------|

Core ID:

SQV05-015

4/28/11 (Split  
date)

total core length 34 cm  
horizon line = 4.5 cm down

|          |        |
|----------|--------|
| Core ID: | PS/0.1 |
|----------|--------|

Core ID: PS10.1

SQV05-030

[illegible]

|          |      |
|----------|------|
| Core ID: | DS08 |
|----------|------|

1505

SQV05-043

[illegible]

|          |      |
|----------|------|
| Core ID: | PS11 |
|----------|------|

Core ID: PS11

SGV05-037

[illegible]

# SAMPLE LOGIN

Project Manager: Brandenberger

Date Received: 4/28/2011

Batch: SQV05

Login Designee: CSuslick

Project: **Sed Qual Validation Study (SQV05)**



Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

| Sponsor ID | Site Description |         | Type       | Battelle Code | Matrix | Storage Location | Requested Parameters | Collection Date |
|------------|------------------|---------|------------|---------------|--------|------------------|----------------------|-----------------|
| SQV05-118  | PS03             | 0-3cm   | Clear Core | 3151-315      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-119  | PS03             | 3-6cm   | Clear Core | 3151-316      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-120  | PS03             | 6-9cm   | Clear Core | 3151-317      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-121  | PS03             | 9-13cm  | Clear Core | 3151-318      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-122  | PS03             | 13-19cm | Clear Core | 3151-319      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-123  | PS03             | 19-25cm | Clear Core | 3151-320      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-124  | PS03             | 0-3cm   | Clear Core | 3151-351      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-125  | PS03             | 3-6cm   | Clear Core | 3151-352      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-126  | PS03             | 6-9cm   | Clear Core | 3151-353      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-127  | PS03             | 9-13cm  | Clear Core | 3151-354      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-128  | PS03             | 13-19cm | Clear Core | 3151-355      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-129  | PS03             | 19-25cm | Clear Core | 3151-356      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-130  | PS03             | 0-3cm   | Clear Core | 3151-387      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-131  | PS03             | 3-6cm   | Clear Core | 3151-388      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-132  | PS03             | 6-9cm   | Clear Core | 3151-389      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-132  | PS03             | 9-13cm  | Clear Core | 3151-390      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-133  | PS03             | 13-19cm | Clear Core | 3151-391      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-134  | PS03             | 19-25cm | Clear Core | 3151-392      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-135  | PS09             | 0-3cm   | Clear Core | 3151-321      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-136  | PS09             | 3-6cm   | Clear Core | 3151-322      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-137  | PS09             | 6-9cm   | Clear Core | 3151-323      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-138  | PS09             | 9-13cm  | Clear Core | 3151-324      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-139  | PS09             | 13-19cm | Clear Core | 3151-325      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-140  | PS09             | 19-23cm | Clear Core | 3151-326      | SED    | Deep Freezer     | Metals               | 04/27/11        |

# SAMPLE LOGIN

Project Manager: Brandenberger

Date Received: 4/28/2011

Batch: SQV05

Login Designee: CSuslick

Project: **Sed Qual Validation Study (SQV05)**



Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

| Sponsor ID | Site Description |         | Type       | Battelle Code | Matrix | Storage Location | Requested Parameters | Collection Date |
|------------|------------------|---------|------------|---------------|--------|------------------|----------------------|-----------------|
| SQV05-141  | PS09             | 0-3cm   | Clear Core | 3151-357      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-142  | PS09             | 3-6cm   | Clear Core | 3151-358      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-143  | PS09             | 6-9cm   | Clear Core | 3151-359      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-144  | PS09             | 9-13cm  | Clear Core | 3151-360      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-145  | PS09             | 13-19cm | Clear Core | 3151-361      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-146  | PS09             | 19-23cm | Clear Core | 3151-362      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-147  | PS09             | 0-3cm   | Clear Core | 3151-393      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-148  | PS09             | 3-6cm   | Clear Core | 3151-394      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-149  | PS09             | 6-9cm   | Clear Core | 3151-395      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-150  | PS09             | 9-13cm  | Clear Core | 3151-396      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-151  | PS09             | 13-19cm | Clear Core | 3151-397      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-152  | PS09             | 19-23cm | Clear Core | 3151-398      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-153  | PS10             | 0-3cm   | Clear Core | 3151-327      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-154  | PS10             | 3-6cm   | Clear Core | 3151-328      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-155  | PS10             | 6-9cm   | Clear Core | 3151-329      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-156  | PS10             | 9-13cm  | Clear Core | 3151-330      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-157  | PS10             | 13-19cm | Clear Core | 3151-331      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-158  | PS10             | 19-25cm | Clear Core | 3151-332      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-159  | PS10             | 0-3cm   | Clear Core | 3151-363      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-160  | PS10             | 3-6cm   | Clear Core | 3151-364      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-161  | PS10             | 6-9cm   | Clear Core | 3151-365      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-162  | PS10             | 9-13cm  | Clear Core | 3151-366      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-163  | PS10             | 13-19cm | Clear Core | 3151-367      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-164  | PS10             | 19-25cm | Clear Core | 3151-368      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |

# SAMPLE LOGIN

Project Manager: Brandenberger

Date Received: 4/28/2011

Batch: SQV05

Login Designee: CSuslick

Project: **Sed Qual Validation Study (SQV05)**



Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

| Sponsor ID | Site Description |         | Type       | Battelle Code | Matrix | Storage Location | Requested Parameters | Collection Date |
|------------|------------------|---------|------------|---------------|--------|------------------|----------------------|-----------------|
| SQV05-165  | PS10             | 0-3cm   | Clear Core | 3151-399      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-166  | PS10             | 3-6cm   | Clear Core | 3151-400      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-167  | PS10             | 6-9cm   | Clear Core | 3151-401      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-168  | PS10             | 9-13cm  | Clear Core | 3151-402      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-169  | PS10             | 13-19cm | Clear Core | 3151-403      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-170  | PS10             | 19-25cm | Clear Core | 3151-404      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-171  | PS10.1           | 0-3cm   | Clear Core | 3151-333      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-172  | PS10.1           | 3-6cm   | Clear Core | 3151-334      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-173  | PS10.1           | 6-9cm   | Clear Core | 3151-335      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-174  | PS10.1           | 9-13cm  | Clear Core | 3151-336      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-175  | PS10.1           | 13-19cm | Clear Core | 3151-337      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-176  | PS10.1           | 19-24cm | Clear Core | 3151-338      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-177  | PS10.1           | 0-3cm   | Clear Core | 3151-369      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-178  | PS10.1           | 3-6cm   | Clear Core | 3151-370      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-179  | PS10.1           | 6-9cm   | Clear Core | 3151-371      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-180  | PS10.1           | 9-13cm  | Clear Core | 3151-372      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-181  | PS10.1           | 13-19cm | Clear Core | 3151-373      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-182  | PS10.1           | 19-24cm | Clear Core | 3151-374      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-183  | PS10.1           | 0-3cm   | Clear Core | 3151-405      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-184  | PS10.1           | 3-6cm   | Clear Core | 3151-406      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-185  | PS10.1           | 6-9cm   | Clear Core | 3151-407      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-186  | PS10.1           | 9-13cm  | Clear Core | 3151-408      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-187  | PS10.1           | 13-19cm | Clear Core | 3151-409      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-188  | PS10.1           | 19-24cm | Clear Core | 3151-410      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |

# SAMPLE LOGIN

Project Manager: Brandenberger  
Date Received: 4/28/2011  
Batch: SQV05  
Login Designee: CSuslick



Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

Project: **Sed Qual Validation Study (SQV05)**

| Sponsor ID | Site Description |         | Type       | Battelle Code | Matrix | Storage Location | Requested Parameters | Collection Date |
|------------|------------------|---------|------------|---------------|--------|------------------|----------------------|-----------------|
| SQV05-189  | PS11             | 0-3cm   | Clear Core | 3151-339      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-190  | PS11             | 3-6cm   | Clear Core | 3151-340      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-191  | PS11             | 6-9cm   | Clear Core | 3151-341      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-192  | PS11             | 9-13cm  | Clear Core | 3151-342      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-193  | PS11             | 13-19cm | Clear Core | 3151-343      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-194  | PS11             | 19-25cm | Clear Core | 3151-344      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-195  | PS11             | 0-3cm   | Clear Core | 3151-375      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-196  | PS11             | 3-6cm   | Clear Core | 3151-376      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-197  | PS11             | 6-9cm   | Clear Core | 3151-377      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-198  | PS11             | 9-13cm  | Clear Core | 3151-378      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-199  | PS11             | 13-19cm | Clear Core | 3151-379      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-200  | PS11             | 19-25cm | Clear Core | 3151-380      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-201  | PS11             | 0-3cm   | Clear Core | 3151-411      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-202  | PS11             | 3-6cm   | Clear Core | 3151-412      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-203  | PS11             | 6-9cm   | Clear Core | 3151-413      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-204  | PS11             | 9-13cm  | Clear Core | 3151-414      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-205  | PS11             | 13-19cm | Clear Core | 3151-415      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-206  | PS11             | 19-25cm | Clear Core | 3151-416      | SED    | Walkin Freezer   | Organics, AVS-SEM    | 04/27/11        |
| SQV05-207  | PS08             | 0-3cm   | Clear Core | 3151-345      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-208  | PS08             | 3-6cm   | Clear Core | 3151-346      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-209  | PS08             | 6-9cm   | Clear Core | 3151-347      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-210  | PS08             | 9-13cm  | Clear Core | 3151-348      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-211  | PS08             | 13-19cm | Clear Core | 3151-349      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-212  | PS08             | 19-25cm | Clear Core | 3151-350      | SED    | Deep Freezer     | Metals               | 04/27/11        |

## **SAMPLE LOGIN**

Project Manager: Brandenberger

Date Received: 4/28/2011

Batch: SQV05

Login Designee: CSuslick

Project: **Sed Qual Validation Study (SQV05)**



*Marine Sciences Laboratory*

*1529 West Sequim Bay Road*

*Sequim, Washington 98382*

*PH: (360) 681-4565*

| <b>Sponsor ID</b> | <b>Site Description</b> |         | <b>Type</b> | <b>Battelle Code</b> | <b>Matrix</b> | <b>Storage Location</b> | <b>Requested Parameters</b> | <b>Collection Date</b> |
|-------------------|-------------------------|---------|-------------|----------------------|---------------|-------------------------|-----------------------------|------------------------|
| SQV05-213         | PS08                    | 0-3cm   | Clear Core  | 3151-381             | SED           | Walkin Cooler           | TOC                         | 04/27/11               |
| SQV05-214         | PS08                    | 3-6cm   | Clear Core  | 3151-382             | SED           | Walkin Cooler           | TOC                         | 04/27/11               |
| SQV05-215         | PS08                    | 6-9cm   | Clear Core  | 3151-383             | SED           | Walkin Cooler           | TOC                         | 04/27/11               |
| SQV05-216         | PS08                    | 9-13cm  | Clear Core  | 3151-384             | SED           | Walkin Cooler           | TOC                         | 04/27/11               |
| SQV05-217         | PS08                    | 13-19cm | Clear Core  | 3151-385             | SED           | Walkin Cooler           | TOC                         | 04/27/11               |
| SQV05-218         | PS08                    | 19-25cm | Clear Core  | 3151-386             | SED           | Walkin Cooler           | TOC                         | 04/27/11               |
| SQV05-219         | PS08                    | 0-3cm   | Clear Core  | 3151-417             | SED           | Walkin Freezer          | Organics, AVS-SEM           | 04/27/11               |
| SQV05-220         | PS08                    | 3-6cm   | Clear Core  | 3151-418             | SED           | Walkin Freezer          | Organics, AVS-SEM           | 04/27/11               |
| SQV05-221         | PS08                    | 6-9cm   | Clear Core  | 3151-419             | SED           | Walkin Freezer          | Organics, AVS-SEM           | 04/27/11               |
| SQV05-222         | PS08                    | 9-13cm  | Clear Core  | 3151-420             | SED           | Walkin Freezer          | Organics, AVS-SEM           | 04/27/11               |
| SQV05-223         | PS08                    | 13-19cm | Clear Core  | 3151-421             | SED           | Walkin Freezer          | Organics, AVS-SEM           | 04/27/11               |
| SQV05-224         | PS08                    | 19-25cm | Clear Core  | 3151-422             | SED           | Walkin Freezer          | Organics, AVS-SEM           | 04/27/11               |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Initial Collection 4/27/11

Split at MSL 4/28/11

Project Name: Sed Quality Verification Study (Grabs)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered/Split at MSL

Preservation: Refrigerate

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

| Line | Field Sample ID |        | Collection Date/Time | Matrix | No. of Containers | Test Parameters |            |        |     |          | Laboratory ID | Observations/Comments |
|------|-----------------|--------|----------------------|--------|-------------------|-----------------|------------|--------|-----|----------|---------------|-----------------------|
|      |                 |        |                      |        |                   | Screening       | Grain Size | Metals | TOC | Organics |               |                       |
| 1    | SQV05-261       | PS03-1 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 2    | SQV05-262       | PS03-1 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-495      |                       |
| 3    | SQV05-263       | PS03-1 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-423      |                       |
| 4    | SQV05-264       | PS03-1 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-459      |                       |
| 5    | SQV05-001       | PS03-1 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-531      |                       |
| 6    | SQV05-265       | PS03-2 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 7    | SQV05-266       | PS03-2 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-496      |                       |
| 8    | SQV05-267       | PS03-2 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-424      |                       |
| 9    | SQV05-268       | PS03-2 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-460      |                       |
| 10   | SQV05-002       | PS03-2 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-532      |                       |
| 11   | SQV05-269       | PS03-3 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 12   | SQV05-270       | PS03-3 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-497      |                       |
| 13   | SQV05-271       | PS03-3 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-425      |                       |
| 14   | SQV05-272       | PS03-3 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-461      |                       |
| 15   | SQV05-003       | PS03-3 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-533      |                       |
| 16   | SQV05-273       | PS03-4 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 17   | SQV05-274       | PS03-4 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-498      |                       |
| 18   | SQV05-275       | PS03-4 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-426      |                       |
| 19   | SQV05-276       | PS03-4 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-462      |                       |
| 20   | SQV05-004       | PS03-4 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-534      |                       |
| 21   | SQV05-277       | PS03-5 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 22   | SQV05-278       | PS03-5 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-499      |                       |
| 23   | SQV05-279       | PS03-5 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-427      |                       |
| 24   | SQV05-280       | PS03-5 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-463      |                       |
| 25   | SQV05-005       | PS03-5 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-535      |                       |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Initial Collection 4/27/11

Split at MSL 4/28/11

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: Sed Quality Verification Study (Grabs)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered/Split at MSL

Preservation: Refrigerate

| Line | Field Sample ID |        | Collection Date/Time | Matrix | No. of Containers | Test Parameters |            |        |     |          | Laboratory ID | Observations/Comments |
|------|-----------------|--------|----------------------|--------|-------------------|-----------------|------------|--------|-----|----------|---------------|-----------------------|
|      |                 |        |                      |        |                   | Screening       | Grain Size | Metals | TOC | Organics |               |                       |
| 26   | SQV05-281       | PS03-6 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 27   | SQV05-282       | PS03-6 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-500      |                       |
| 28   | SQV05-283       | PS03-6 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-428      |                       |
| 29   | SQV05-284       | PS03-6 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-464      |                       |
| 30   | SQV05-006       | PS03-6 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-536      |                       |
| 31   | SQV05-285       | PS09-1 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 32   | SQV05-286       | PS09-1 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-501      |                       |
| 33   | SQV05-287       | PS09-1 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-429      |                       |
| 34   | SQV05-288       | PS09-1 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-465      |                       |
| 35   | SQV05-009       | PS09-1 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-537      |                       |
| 36   | SQV05-289       | PS09-2 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 37   | SQV05-290       | PS09-2 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-502      |                       |
| 38   | SQV05-291       | PS09-2 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-430      |                       |
| 39   | SQV05-292       | PS09-2 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-466      |                       |
| 40   | SQV05-010       | PS09-2 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-538      |                       |
| 41   | SQV05-293       | PS09-3 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 42   | SQV05-294       | PS09-3 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-503      |                       |
| 43   | SQV05-295       | PS09-3 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-431      |                       |
| 44   | SQV05-296       | PS09-3 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-467      |                       |
| 45   | SQV05-011       | PS09-3 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-539      |                       |
| 46   | SQV05-297       | PS09-4 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 47   | SQV05-298       | PS09-4 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-504      |                       |
| 48   | SQV05-299       | PS09-4 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-432      |                       |
| 49   | SQV05-300       | PS09-4 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-468      |                       |
| 50   | SQV05-012       | PS09-4 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-540      |                       |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Initial Collection 4/27/11

Split at MSL 4/28/11

Project Name: Sed Quality Verification Study (Grabs)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered/Split at MSL

Preservation: Refrigerate

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

| Line | Field Sample ID |        | Collection Date/Time | Matrix | No. of Containers | Test Parameters |            |        |     |          | Laboratory ID | Observations/Comments |
|------|-----------------|--------|----------------------|--------|-------------------|-----------------|------------|--------|-----|----------|---------------|-----------------------|
|      |                 |        |                      |        |                   | Screening       | Grain Size | Metals | TOC | Organics |               |                       |
| 51   | SQV05-301       | PS09-5 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 52   | SQV05-302       | PS09-5 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-505      |                       |
| 53   | SQV05-303       | PS09-5 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-433      |                       |
| 54   | SQV05-304       | PS09-5 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-469      |                       |
| 55   | SQV05-013       | PS09-5 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-541      |                       |
| 56   | SQV05-305       | PS09-6 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 57   | SQV05-306       | PS09-6 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-506      |                       |
| 58   | SQV05-307       | PS09-6 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-434      |                       |
| 59   | SQV05-308       | PS09-6 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-470      |                       |
| 60   | SQV05-014       | PS09-6 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-542      |                       |
| 61   | SQV05-309       | PS10-1 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 62   | SQV05-310       | PS10-1 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-507      |                       |
| 63   | SQV05-311       | PS10-1 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-435      |                       |
| 64   | SQV05-312       | PS10-1 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-471      |                       |
| 65   | SQV05-017       | PS10-1 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-543      |                       |
| 66   | SQV05-313       | PS10-2 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 67   | SQV05-314       | PS10-2 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-508      |                       |
| 68   | SQV05-315       | PS10-2 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-436      |                       |
| 69   | SQV05-316       | PS10-2 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-472      |                       |
| 70   | SQV05-018       | PS10-2 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-544      |                       |
| 71   | SQV05-317       | PS10-3 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 72   | SQV05-318       | PS10-3 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-509      |                       |
| 73   | SQV05-319       | PS10-3 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-437      |                       |
| 74   | SQV05-320       | PS10-3 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-473      |                       |
| 75   | SQV05-019       | PS10-3 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-545      |                       |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Initial Collection 4/27/11

Split at MSL 4/28/11

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: Sed Quality Verification Study (Grabs)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered/Split at MSL

Preservation: Refrigerate

| Line | Field Sample ID |          | Collection Date/Time | Matrix | No. of Containers | Test Parameters |            |        |     |          | Laboratory ID | Observations/Comments |
|------|-----------------|----------|----------------------|--------|-------------------|-----------------|------------|--------|-----|----------|---------------|-----------------------|
|      |                 |          |                      |        |                   | Screening       | Grain Size | Metals | TOC | Organics |               |                       |
| 76   | SQV05-321       | PS10-4   | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 77   | SQV05-322       | PS10-4   | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-510      |                       |
| 78   | SQV05-323       | PS10-4   | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-438      |                       |
| 79   | SQV05-324       | PS10-4   | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-474      |                       |
| 80   | SQV05-020       | PS10-4   | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-546      |                       |
| 81   | SQV05-325       | PS10-5   | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 82   | SQV05-326       | PS10-5   | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-511      |                       |
| 83   | SQV05-327       | PS10-5   | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-439      |                       |
| 84   | SQV05-328       | PS10-5   | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-475      |                       |
| 85   | SQV05-021       | PS10-5   | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-547      |                       |
| 86   | SQV05-329       | PS10-6   | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 87   | SQV05-330       | PS10-6   | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-512      |                       |
| 88   | SQV05-331       | PS10-6   | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-440      |                       |
| 89   | SQV05-332       | PS10-6   | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-476      |                       |
| 90   | SQV05-022       | PS10-6   | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-548      |                       |
| 91   | SQV05-333       | PS10.1-1 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 92   | SQV05-334       | PS10.1-1 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-513      |                       |
| 93   | SQV05-335       | PS10.1-1 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-441      |                       |
| 94   | SQV05-336       | PS10.1-1 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-477      |                       |
| 95   | SQV05-024       | PS10.1-1 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-549      |                       |
| 96   | SQV05-337       | PS10.1-2 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 97   | SQV05-338       | PS10.1-2 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-514      |                       |
| 98   | SQV05-339       | PS10.1-2 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-442      |                       |
| 99   | SQV05-340       | PS10.1-2 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-478      |                       |
| 100  | SQV05-025       | PS10.1-2 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-550      |                       |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Initial Collection 4/27/11  
Split at MSL 4/28/11

Project Name: Sed Quality Verification Study (Grabs)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered/Split at MSL

Preservation: Refrigerate

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

| Line | Field Sample ID |          | Collection Date/Time | Matrix | No. of Containers | Test Parameters |            |        |     |          | Laboratory ID | Observations/Comments |
|------|-----------------|----------|----------------------|--------|-------------------|-----------------|------------|--------|-----|----------|---------------|-----------------------|
|      |                 |          |                      |        |                   | Screening       | Grain Size | Metals | TOC | Organics |               |                       |
| 101  | SQV05-341       | PS10.1-3 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 102  | SQV05-342       | PS10.1-3 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-515      |                       |
| 103  | SQV05-343       | PS10.1-3 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-443      |                       |
| 104  | SQV05-344       | PS10.1-3 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-479      |                       |
| 105  | SQV05-026       | PS10.1-3 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-551      |                       |
| 106  | SQV05-345       | PS10.1-4 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 107  | SQV05-346       | PS10.1-4 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-516      |                       |
| 108  | SQV05-347       | PS10.1-4 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-444      |                       |
| 109  | SQV05-348       | PS10.1-4 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-480      |                       |
| 110  | SQV05-027       | PS10.1-4 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-552      |                       |
| 111  | SQV05-349       | PS10.1-5 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 112  | SQV05-350       | PS10.1-5 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-517      |                       |
| 113  | SQV05-351       | PS10.1-5 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-445      |                       |
| 114  | SQV05-352       | PS10.1-5 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-481      |                       |
| 115  | SQV05-028       | PS10.1-5 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-553      |                       |
| 116  | SQV05-353       | PS10.1-6 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 117  | SQV05-354       | PS10.1-6 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-518      |                       |
| 118  | SQV05-355       | PS10.1-6 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-446      |                       |
| 119  | SQV05-356       | PS10.1-6 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-482      |                       |
| 120  | SQV05-029       | PS10.1-6 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-554      |                       |
| 121  | SQV05-357       | PS11-1   | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 122  | SQV05-358       | PS11-1   | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-519      |                       |
| 123  | SQV05-359       | PS11-1   | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-447      |                       |
| 124  | SQV05-360       | PS11-1   | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-483      |                       |
| 125  | SQV05-031       | PS11-1   | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-555      |                       |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Initial Collection 4/27/11

Split at MSL 4/28/11

Project Name: Sed Quality Verification Study (Grabs)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered/Split at MSL

Preservation: Refrigerate

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

| Line | Field Sample ID |        | Collection Date/Time | Matrix | No. of Containers | Test Parameters |            |        |     |          | Laboratory ID | Observations/Comments |
|------|-----------------|--------|----------------------|--------|-------------------|-----------------|------------|--------|-----|----------|---------------|-----------------------|
|      |                 |        |                      |        |                   | Screening       | Grain Size | Metals | TOC | Organics |               |                       |
| 126  | SQV05-361       | PS11-2 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 127  | SQV05-362       | PS11-2 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-520      |                       |
| 128  | SQV05-363       | PS11-2 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-448      |                       |
| 129  | SQV05-364       | PS11-2 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-484      |                       |
| 130  | SQV05-032       | PS11-2 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-556      |                       |
| 131  | SQV05-365       | PS11-3 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 132  | SQV05-366       | PS11-3 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-521      |                       |
| 133  | SQV05-367       | PS11-3 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-449      |                       |
| 134  | SQV05-368       | PS11-3 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-485      |                       |
| 135  | SQV05-033       | PS11-3 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-557      |                       |
| 136  | SQV05-369       | PS11-4 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 137  | SQV05-370       | PS11-4 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-522      |                       |
| 138  | SQV05-371       | PS11-4 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-450      |                       |
| 139  | SQV05-372       | PS11-4 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-486      |                       |
| 140  | SQV05-034       | PS11-4 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-558      |                       |
| 141  | SQV05-373       | PS11-5 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 142  | SQV05-374       | PS11-5 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-523      |                       |
| 143  | SQV05-375       | PS11-5 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-451      |                       |
| 144  | SQV05-376       | PS11-5 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-487      |                       |
| 145  | SQV05-035       | PS11-5 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-559      |                       |
| 146  | SQV05-377       | PS11-6 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 147  | SQV05-378       | PS11-6 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-524      |                       |
| 148  | SQV05-379       | PS11-6 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-452      |                       |
| 149  | SQV05-380       | PS11-6 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-488      |                       |
| 150  | SQV05-036       | PS11-6 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-560      |                       |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Initial Collection 4/27/11

Split at MSL 4/28/11

Project Name: Sed Quality Verification Study (Grabs)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered/Split at MSL

Preservation: Refrigerate

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

| Line | Field Sample ID |        | Collection Date/Time | Matrix | No. of Containers | Test Parameters |            |        |     |          | Laboratory ID | Observations/Comments |
|------|-----------------|--------|----------------------|--------|-------------------|-----------------|------------|--------|-----|----------|---------------|-----------------------|
|      |                 |        |                      |        |                   | Screening       | Grain Size | Metals | TOC | Organics |               |                       |
| 151  | SQV05-381       | PS08-1 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 152  | SQV05-382       | PS08-1 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-525      |                       |
| 153  | SQV05-383       | PS08-1 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-453      |                       |
| 154  | SQV05-384       | PS08-1 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-489      |                       |
| 155  | SQV05-038       | PS08-1 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-561      |                       |
| 156  | SQV05-385       | PS08-2 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 157  | SQV05-386       | PS08-2 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-526      |                       |
| 158  | SQV05-387       | PS08-2 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-454      |                       |
| 159  | SQV05-388       | PS08-2 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-490      |                       |
| 160  | SQV05-039       | PS08-2 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-562      |                       |
| 161  | SQV05-389       | PS08-3 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 162  | SQV05-390       | PS08-3 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-527      |                       |
| 163  | SQV05-391       | PS08-3 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-455      |                       |
| 164  | SQV05-392       | PS08-3 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-491      |                       |
| 165  | SQV05-040       | PS08-3 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-563      |                       |
| 166  | SQV05-393       | PS08-4 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 167  | SQV05-394       | PS08-4 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-528      |                       |
| 168  | SQV05-395       | PS08-4 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-456      |                       |
| 169  | SQV05-396       | PS08-4 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-492      |                       |
| 170  | SQV05-041       | PS08-4 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-564      |                       |
| 171  | SQV05-397       | PS08-5 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 172  | SQV05-398       | PS08-5 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-529      |                       |
| 173  | SQV05-399       | PS08-5 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-457      |                       |
| 174  | SQV05-400       | PS08-5 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-493      |                       |
| 175  | SQV05-042       | PS08-5 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-565      |                       |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/28/2011



**Battelle**  
The Business of Innovation

Initial Collection 4/27/11

Split at MSL 4/28/11

Project Name: Sed Quality Verification Study (Grabs)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered/Split at MSL

Preservation: Refrigerate

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

| Line | Field Sample ID |        | Collection Date/Time | Matrix | No. of Containers | Test Parameters |            |        |     |          | Laboratory ID | Observations/Comments |
|------|-----------------|--------|----------------------|--------|-------------------|-----------------|------------|--------|-----|----------|---------------|-----------------------|
|      |                 |        |                      |        |                   | Screening       | Grain Size | Metals | TOC | Organics |               |                       |
| 176  | SQV05-401       | PS08-6 | 4/27/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 177  | SQV05-402       | PS08-6 | 4/27/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-530      |                       |
| 178  | SQV05-403       | PS08-6 | 4/27/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-458      |                       |
| 179  | SQV05-404       | PS08-6 | 4/27/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-494      |                       |
| 180  | SQV05-043       | PS08-6 | 4/27/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-566      |                       |

Relinquished By:

Company:

Signature/Printed Name

Date/Time

Received By:

Company:

Signature/Printed Name

Date/Time

# **SAMPLE LOGIN**

Project Manager: Brandenberger

Date Received: 4/28/2011

Batch: SQV05

Login Designee: CSuslick

Project: **Sed Qual Validation Study (SQV05)**



Marine Sciences Laboratory

1529 West Sequim Bay Road

Sequim, Washington 98382

PH: (360) 681-4565

| Sponsor ID | Site Description | Type | Battelle Code | Matrix | Storage Location | Requested Parameters | Collection Date |
|------------|------------------|------|---------------|--------|------------------|----------------------|-----------------|
| SQV05-262  | PS03-1           | GRAB | 3151-495      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-263  | PS03-1           | GRAB | 3151-423      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-264  | PS03-1           | GRAB | 3151-459      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-001  | PS03-1           | GRAB | 3151-531      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-266  | PS03-2           | GRAB | 3151-496      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-267  | PS03-2           | GRAB | 3151-424      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-268  | PS03-2           | GRAB | 3151-460      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-002  | PS03-2           | GRAB | 3151-532      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-270  | PS03-3           | GRAB | 3151-497      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-271  | PS03-3           | GRAB | 3151-425      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-272  | PS03-3           | GRAB | 3151-461      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-003  | PS03-3           | GRAB | 3151-533      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-274  | PS03-4           | GRAB | 3151-498      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-275  | PS03-4           | GRAB | 3151-426      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-276  | PS03-4           | GRAB | 3151-462      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-004  | PS03-4           | GRAB | 3151-534      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-278  | PS03-5           | GRAB | 3151-499      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-279  | PS03-5           | GRAB | 3151-427      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-280  | PS03-5           | GRAB | 3151-463      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-005  | PS03-5           | GRAB | 3151-535      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-282  | PS03-6           | GRAB | 3151-500      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-283  | PS03-6           | GRAB | 3151-428      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-284  | PS03-6           | GRAB | 3151-464      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-006  | PS03-6           | GRAB | 3151-536      | SED    | Walkin Freezer   | Organics             | 04/27/11        |

# SAMPLE LOGIN

Project Manager: Brandenberger

Date Received: 4/28/2011

Batch: SQV05

Login Designee: CSuslick

Project: **Sed Qual Validation Study (SQV05)**



Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

| Sponsor ID | Site Description | Type | Battelle Code | Matrix | Storage Location | Requested Parameters | Collection Date |
|------------|------------------|------|---------------|--------|------------------|----------------------|-----------------|
| SQV05-286  | PS09-1           | GRAB | 3151-501      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-287  | PS09-1           | GRAB | 3151-429      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-288  | PS09-1           | GRAB | 3151-465      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-009  | PS09-1           | GRAB | 3151-537      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-290  | PS09-2           | GRAB | 3151-502      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-291  | PS09-2           | GRAB | 3151-430      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-292  | PS09-2           | GRAB | 3151-466      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-010  | PS09-2           | GRAB | 3151-538      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-294  | PS09-3           | GRAB | 3151-503      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-295  | PS09-3           | GRAB | 3151-431      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-296  | PS09-3           | GRAB | 3151-467      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-011  | PS09-3           | GRAB | 3151-539      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-298  | PS09-4           | GRAB | 3151-504      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-299  | PS09-4           | GRAB | 3151-432      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-300  | PS09-4           | GRAB | 3151-468      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-012  | PS09-4           | GRAB | 3151-540      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-302  | PS09-5           | GRAB | 3151-505      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-303  | PS09-5           | GRAB | 3151-433      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-304  | PS09-5           | GRAB | 3151-469      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-013  | PS09-5           | GRAB | 3151-541      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-306  | PS09-6           | GRAB | 3151-506      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-307  | PS09-6           | GRAB | 3151-434      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-308  | PS09-6           | GRAB | 3151-470      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-014  | PS09-6           | GRAB | 3151-542      | SED    | Walkin Freezer   | Organics             | 04/27/11        |

# **SAMPLE LOGIN**

Project Manager: Brandenberger

Date Received: 4/28/2011

Batch: SQV05

Login Designee: CSuslick

Project: **Sed Qual Validation Study (SQV05)**



Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

| Sponsor ID | Site Description | Type | Battelle Code | Matrix | Storage Location | Requested Parameters | Collection Date |
|------------|------------------|------|---------------|--------|------------------|----------------------|-----------------|
| SQV05-310  | PS10-1           | GRAB | 3151-507      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-311  | PS10-1           | GRAB | 3151-435      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-312  | PS10-1           | GRAB | 3151-471      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-017  | PS10-1           | GRAB | 3151-543      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-314  | PS10-2           | GRAB | 3151-508      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-315  | PS10-2           | GRAB | 3151-436      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-316  | PS10-2           | GRAB | 3151-472      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-018  | PS10-2           | GRAB | 3151-544      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-318  | PS10-3           | GRAB | 3151-509      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-319  | PS10-3           | GRAB | 3151-437      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-320  | PS10-3           | GRAB | 3151-473      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-019  | PS10-3           | GRAB | 3151-545      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-322  | PS10-4           | GRAB | 3151-510      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-323  | PS10-4           | GRAB | 3151-438      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-324  | PS10-4           | GRAB | 3151-474      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-020  | PS10-4           | GRAB | 3151-546      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-326  | PS10-5           | GRAB | 3151-511      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-327  | PS10-5           | GRAB | 3151-439      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-328  | PS10-5           | GRAB | 3151-475      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-021  | PS10-5           | GRAB | 3151-547      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-330  | PS10-6           | GRAB | 3151-512      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-331  | PS10-6           | GRAB | 3151-440      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-332  | PS10-6           | GRAB | 3151-476      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-022  | PS10-6           | GRAB | 3151-548      | SED    | Walkin Freezer   | Organics             | 04/27/11        |

# SAMPLE LOGIN

Project Manager: Brandenberger  
Date Received: 4/28/2011  
Batch: SQV05  
Login Designee: CSuslick



Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

Project: **Sed Qual Validation Study (SQV05)**

| Sponsor ID | Site Description | Type | Battelle Code | Matrix | Storage Location | Requested Parameters | Collection Date |
|------------|------------------|------|---------------|--------|------------------|----------------------|-----------------|
| SQV05-334  | PS10.1-1         | GRAB | 3151-513      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-335  | PS10.1-1         | GRAB | 3151-441      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-336  | PS10.1-1         | GRAB | 3151-477      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-024  | PS10.1-1         | GRAB | 3151-549      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-338  | PS10.1-2         | GRAB | 3151-514      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-339  | PS10.1-2         | GRAB | 3151-442      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-340  | PS10.1-2         | GRAB | 3151-478      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-025  | PS10.1-2         | GRAB | 3151-550      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-342  | PS10.1-3         | GRAB | 3151-515      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-343  | PS10.1-3         | GRAB | 3151-443      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-344  | PS10.1-3         | GRAB | 3151-479      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-026  | PS10.1-3         | GRAB | 3151-551      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-346  | PS10.1-4         | GRAB | 3151-516      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-347  | PS10.1-4         | GRAB | 3151-444      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-348  | PS10.1-4         | GRAB | 3151-480      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-027  | PS10.1-4         | GRAB | 3151-552      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-350  | PS10.1-5         | GRAB | 3151-517      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-351  | PS10.1-5         | GRAB | 3151-445      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-352  | PS10.1-5         | GRAB | 3151-481      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-028  | PS10.1-5         | GRAB | 3151-553      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-354  | PS10.1-6         | GRAB | 3151-518      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-355  | PS10.1-6         | GRAB | 3151-446      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-356  | PS10.1-6         | GRAB | 3151-482      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-029  | PS10.1-6         | GRAB | 3151-554      | SED    | Walkin Freezer   | Organics             | 04/27/11        |

# **SAMPLE LOGIN**

Project Manager: Brandenberger

Date Received: 4/28/2011

Batch: SQV05

Login Designee: CSuslick

Project: **Sed Qual Validation Study (SQV05)**



Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

| Sponsor ID | Site Description | Type | Battelle Code | Matrix | Storage Location | Requested Parameters | Collection Date |
|------------|------------------|------|---------------|--------|------------------|----------------------|-----------------|
| SQV05-358  | PS11-1           | GRAB | 3151-519      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-359  | PS11-1           | GRAB | 3151-447      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-360  | PS11-1           | GRAB | 3151-483      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-031  | PS11-1           | GRAB | 3151-555      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-362  | PS11-2           | GRAB | 3151-520      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-363  | PS11-2           | GRAB | 3151-448      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-364  | PS11-2           | GRAB | 3151-484      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-032  | PS11-2           | GRAB | 3151-556      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-366  | PS11-3           | GRAB | 3151-521      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-367  | PS11-3           | GRAB | 3151-449      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-368  | PS11-3           | GRAB | 3151-485      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-033  | PS11-3           | GRAB | 3151-557      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-370  | PS11-4           | GRAB | 3151-522      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-371  | PS11-4           | GRAB | 3151-450      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-372  | PS11-4           | GRAB | 3151-486      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-034  | PS11-4           | GRAB | 3151-558      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-374  | PS11-5           | GRAB | 3151-523      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-375  | PS11-5           | GRAB | 3151-451      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-376  | PS11-5           | GRAB | 3151-487      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-035  | PS11-5           | GRAB | 3151-559      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-378  | PS11-6           | GRAB | 3151-524      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-379  | PS11-6           | GRAB | 3151-452      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-380  | PS11-6           | GRAB | 3151-488      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-036  | PS11-6           | GRAB | 3151-560      | SED    | Walkin Freezer   | Organics             | 04/27/11        |

# SAMPLE LOGIN

Project Manager: Brandenberger

Date Received: 4/28/2011

Batch: SQV05

Login Designee: CSuslick

Project: **Sed Qual Validation Study (SQV05)**



Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

| Sponsor ID | Site Description | Type | Battelle Code | Matrix | Storage Location | Requested Parameters | Collection Date |
|------------|------------------|------|---------------|--------|------------------|----------------------|-----------------|
| SQV05-382  | PS08-1           | GRAB | 3151-525      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-383  | PS08-1           | GRAB | 3151-453      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-384  | PS08-1           | GRAB | 3151-489      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-038  | PS08-1           | GRAB | 3151-561      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-386  | PS08-2           | GRAB | 3151-526      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-387  | PS08-2           | GRAB | 3151-454      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-388  | PS08-2           | GRAB | 3151-490      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-039  | PS08-2           | GRAB | 3151-562      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-390  | PS08-3           | GRAB | 3151-527      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-391  | PS08-3           | GRAB | 3151-455      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-392  | PS08-3           | GRAB | 3151-491      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-040  | PS08-3           | GRAB | 3151-563      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-394  | PS08-4           | GRAB | 3151-528      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-395  | PS08-4           | GRAB | 3151-456      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-396  | PS08-4           | GRAB | 3151-492      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-041  | PS08-4           | GRAB | 3151-564      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-398  | PS08-5           | GRAB | 3151-529      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-399  | PS08-5           | GRAB | 3151-457      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-400  | PS08-5           | GRAB | 3151-493      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-042  | PS08-5           | GRAB | 3151-565      | SED    | Walkin Freezer   | Organics             | 04/27/11        |
| SQV05-402  | PS08-6           | GRAB | 3151-530      | SED    | Walkin Cooler    | Grain Size           | 04/27/11        |
| SQV05-403  | PS08-6           | GRAB | 3151-458      | SED    | Deep Freezer     | Metals               | 04/27/11        |
| SQV05-404  | PS08-6           | GRAB | 3151-494      | SED    | Walkin Cooler    | TOC                  | 04/27/11        |
| SQV05-043  | PS08-6           | GRAB | 3151-566      | SED    | Walkin Freezer   | Organics             | 04/27/11        |

## **SAMPLE LOGIN**

Project Manager: Brandenberger

Date Received: 4/28/2011

Batch: SQV05

Login Designee: CSuslick

Project: **Sed Qual Validation Study (SQV05)**



*Marine Sciences Laboratory*

*1529 West Sequim Bay Road*

*Sequim, Washington 98382*

*PH: (360) 681-4565*

| Sponsor ID | Site<br>Description |  | Type | Battelle Code | Matrix | Storage Location | Requested<br>Parameters | Collection<br>Date |
|------------|---------------------|--|------|---------------|--------|------------------|-------------------------|--------------------|
|------------|---------------------|--|------|---------------|--------|------------------|-------------------------|--------------------|

**SAMPLE CHAIN OF CUSTODY FORM**

Date: 4/29/2011  
 Page: 1 of 1  
 COC Number: \_\_\_\_\_

**Battelle**

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382

|                                                                                                                          |                                                         |                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Project No.: <u>SQV</u><br>Project Name: <u>ENVV EST</u><br>Project Manager: Jill Brandenberger<br>Phone: (360) 681-3668 | EVENT:<br><u>Johnston, Guerrero</u><br><u>Dred Team</u> | Laboratory: Battelle MSL<br>Address: 1529 W. Sequim Bay Road<br>Sequim, WA 98382<br>Attention: Jill Brandenberger<br>Observations, Instructions |
| Testing Parameters                                                                                                       |                                                         |                                                                                                                                                 |

| Lab. Use only: Lab ID | Sample ID         | Sample Label             | Collection Date/Time | Matrix     | No. of containers | StationID      | Comments                      |
|-----------------------|-------------------|--------------------------|----------------------|------------|-------------------|----------------|-------------------------------|
|                       | <u>SQV05</u>      |                          | <u>4/29/2011</u>     |            |                   | <u>SQVPS06</u> |                               |
|                       | <u>SQV05-1000</u> | <u>Jar 1 48ft.</u>       | <u>1021</u>          | <u>sed</u> |                   | <u>PS06</u>    | <u>Dry Dock 6 Entrance P7</u> |
|                       | <u>1001</u>       | <u>Jar 2 46ft</u>        | <u>1029</u>          |            |                   |                |                               |
|                       | <u>1002</u>       | <u>Jar 3 52ft</u>        | <u>1033</u>          |            |                   |                |                               |
|                       | <u>1003</u>       | <u>Jar 4 56ft</u>        | <u>1050</u>          |            |                   |                |                               |
|                       | <u>1004</u>       | <u>Jar 5 40ft</u>        | <u>1204</u>          |            |                   |                |                               |
|                       | <u>1005</u>       | <u>Jar 6 28ft</u>        | <u>1207</u>          |            |                   |                |                               |
|                       | <u>1006</u>       | <u>Core 1 54ft</u>       | <u>1055</u>          |            |                   |                |                               |
|                       | <u>1007</u>       | <u>Core 2 (Dup) 54ft</u> | <u>1102</u>          |            |                   | <u>PS07</u>    | <u>Duplicate Core</u>         |
|                       | <u>1008</u>       | <u>Jar 1 36ft</u>        | <u>1130</u>          |            |                   |                | <u>Finger Pier / shells</u>   |
|                       | <u>1009</u>       | <u>Jar 2 36</u>          | <u>1134</u>          |            |                   |                |                               |
|                       | <u>1010</u>       | <u>Jar 3 38'</u>         | <u>1142</u>          |            |                   |                |                               |
|                       | <u>1011</u>       | <u>Jar 4 38'</u>         | <u>1145</u>          |            |                   |                |                               |
|                       | <u>1012</u>       | <u>Jar 5 45'</u>         | <u>1147</u>          |            |                   |                |                               |
|                       | <u>1013</u>       | <u>Jar 6 38'</u>         | <u>1152</u>          |            |                   |                | <u>at end of NRV1 Barge</u>   |
|                       | <u>1014</u>       | <u>Core 40' H2S</u>      | <u>1125</u>          |            |                   |                |                               |

|                                                                                                                                           |                                                                                           |                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relinquished by: <u>RK [Signature]</u><br>Signature: _____ Date: <u>4/29/2011</u> Time: <u>1230</u><br>Printed Name: _____ Company: _____ | Received by: <u>[Signature]</u><br>Signature: <u>C. Susman</u> MSL<br>Printed Name: _____ | Total # of Containers: _____<br>Shipment Method: _____<br>Shipment Method: _____<br>Sample Disposition: _____                                         |
| Relinquished by: _____<br>Signature: _____ Date: _____ Time: _____<br>Printed Name: _____ Company: _____                                  | Received by: _____<br>Signature: _____<br>Printed Name: _____                             | Distribution:<br>1) 2 copies to the Laboratory<br>2) 1 copy to project manager<br>3) Return completed original to Battelle Marine Sciences Laboratory |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/29/2011



Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: Sed Quality Verification Study (Clear/Short Core Splits)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered Core/Split at MSL

Preservation: Refrigerate

| Line | Field Sample ID |                                                               | Collection Date/Time | Matrix | No. of | Metals | TOC | Organic + AVS | Screen |  | Laboratory ID | Observations/Comments |
|------|-----------------|---------------------------------------------------------------|----------------------|--------|--------|--------|-----|---------------|--------|--|---------------|-----------------------|
| 1    | SQV05-1015      | PS06                                                          | 4/29/2011            | SED    | 1      | X      |     |               |        |  | 3151-789      | 0-3cm                 |
| 2    | SQV05-1016      | PS06                                                          | 4/29/2011            | SED    | 1      | X      |     |               |        |  | 3151-790      | 3-6cm                 |
| 3    | SQV05-1017      | PS06                                                          | 4/29/2011            | SED    | 1      | X      |     |               |        |  | 3151-791      | 6-9cm                 |
| 4    | SQV05-1018      | PS06                                                          | 4/29/2011            | SED    | 1      | X      |     |               |        |  | 3151-792      | 9-13cm                |
| 5    | SQV05-1019      | PS06                                                          | 4/29/2011            | SED    | 1      | X      |     |               |        |  | 3151-793      | 13-19cm               |
| 6    | SQV05-1020      | PS06                                                          | 4/29/2011            | SED    | 1      | X      |     |               |        |  | 3151-794      | 19-25cm               |
| 7    | SQV05-1021      | PS06                                                          | 4/29/2011            | SED    | 1      |        | X   |               |        |  | 3151-807      | 0-3cm                 |
| 8    | SQV05-1022      | PS06                                                          | 4/29/2011            | SED    | 1      |        | X   |               |        |  | 3151-808      | 3-6cm                 |
| 9    | SQV05-1023      | PS06                                                          | 4/29/2011            | SED    | 1      |        | X   |               |        |  | 3151-809      | 6-9cm                 |
| 10   | SQV05-1024      | PS06                                                          | 4/29/2011            | SED    | 1      |        | X   |               |        |  | 3151-810      | 9-13cm                |
| 11   | SQV05-1025      | PS06                                                          | 4/29/2011            | SED    | 1      |        | X   |               |        |  | 3151-811      | 13-19cm               |
| 12   | SQV05-1026      | PS06                                                          | 4/29/2011            | SED    | 1      |        | X   |               |        |  | 3151-812      | 19-25cm               |
| 13   | SQV05-1027      | PS06                                                          | 4/29/2011            | SED    | 1      |        |     | X             |        |  | 3151-825      | 0-3cm                 |
| 14   | SQV05-1028      | PS06                                                          | 4/29/2011            | SED    | 1      |        |     | X             |        |  | 3151-826      | 3-6cm                 |
| 15   | SQV05-1029      | PS06                                                          | 4/29/2011            | SED    | 1      |        |     | X             |        |  | 3151-827      | 6-9cm                 |
| 16   | SQV05-1030      | PS06                                                          | 4/29/2011            | SED    | 1      |        |     | X             |        |  | 3151-828      | 9-13cm                |
| 17   | SQV05-1031      | PS06                                                          | 4/29/2011            | SED    | 1      |        |     | X             |        |  | 3151-829      | 13-19cm               |
| 18   | SQV05-1032      | PS06                                                          | 4/29/2011            | SED    | 1      |        |     | X             |        |  | 3151-830      | 19-25cm               |
| 19   | SQV05-1033      | PS06DUP                                                       | 4/29/2011            | SED    | 1      | X      |     |               |        |  | 3151-795      | 0-3cm                 |
| 20   | SQV05-1034      | PS06DUP                                                       | 4/29/2011            | SED    | 1      | X      |     |               |        |  | 3151-796      | 3-6cm                 |
| 21   | Not collected   | PS06DUP had a sand plug and could not be extruded beyond 6 cm |                      |        |        |        |     |               |        |  | 3151-797      | 6-9cm                 |
| 22   | Not collected   | PS06DUP had a sand plug and could not be extruded beyond 6 cm |                      |        |        |        |     |               |        |  | 3151-798      | 9-13cm                |
| 23   | Not collected   | PS06DUP had a sand plug and could not be extruded beyond 6 cm |                      |        |        |        |     |               |        |  | 3151-799      | 13-19cm               |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/29/2011



**Battelle**  
The Business of Innovation

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

| Project Name: Sed Quality Verification Study (Clear/Short Core Splits) |                 |                                                               |           | No. of Containers | Test Parameters |     |                         |           |          | Laboratory ID | Observations/Comments |
|------------------------------------------------------------------------|-----------------|---------------------------------------------------------------|-----------|-------------------|-----------------|-----|-------------------------|-----------|----------|---------------|-----------------------|
| Project Manager: Brandenberger                                         |                 |                                                               |           |                   | Metals          | TOC | Organics conf + AVS/SEM | Screening |          |               |                       |
| Phone Number:                                                          |                 |                                                               |           |                   |                 |     |                         |           |          |               |                       |
| Shipment Method: Hand Delivered Core/Split at MSL                      |                 |                                                               |           |                   |                 |     |                         |           |          |               |                       |
| Preservation: Refrigerate                                              |                 |                                                               |           |                   |                 |     |                         |           |          |               |                       |
| Line                                                                   | Field Sample ID | Collection Date/Time                                          | Matrix    |                   |                 |     |                         |           |          |               |                       |
| 24                                                                     | Not collected   | PS06DUP had a sand plug and could not be extruded beyond 6 cm |           |                   |                 |     |                         |           | 3151-800 | 19-25cm       |                       |
| 25                                                                     | SQV05-1035      | PS06DUP                                                       | 4/29/2011 | SED               | 1               |     | X                       |           | 3151-813 | 0-3cm         |                       |
| 26                                                                     | SQV05-1036      | PS06DUP                                                       | 4/29/2011 | SED               | 1               |     | X                       |           | 3151-814 | 3-6cm         |                       |
| 27                                                                     | Not collected   | PS06DUP had a sand plug and could not be extruded beyond 6 cm |           |                   |                 |     |                         |           | 3151-815 | 6-9cm         |                       |
| 28                                                                     | Not collected   | PS06DUP had a sand plug and could not be extruded beyond 6 cm |           |                   |                 |     |                         |           | 3151-816 | 9-13cm        |                       |
| 29                                                                     | Not collected   | PS06DUP had a sand plug and could not be extruded beyond 6 cm |           |                   |                 |     |                         |           | 3151-817 | 13-19cm       |                       |
| 30                                                                     | Not collected   | PS06DUP had a sand plug and could not be extruded beyond 6 cm |           |                   |                 |     |                         |           | 3151-818 | 19-25cm       |                       |
| 31                                                                     | SQV05-1037      | PS06DUP                                                       | 4/29/2011 | SED               | 1               |     |                         | X         | 3151-831 | 0-3cm         |                       |
| 32                                                                     | SQV05-1038      | PS06DUP                                                       | 4/29/2011 | SED               | 1               |     |                         | X         | 3151-832 | 3-6cm         |                       |
| 33                                                                     | Not collected   | PS06DUP had a sand plug and could not be extruded beyond 6 cm |           |                   |                 |     |                         |           | 3151-833 | 6-9cm         |                       |
| 34                                                                     | Not collected   | PS06DUP had a sand plug and could not be extruded beyond 6 cm |           |                   |                 |     |                         |           | 3151-834 | 9-13cm        |                       |
| 35                                                                     | Not collected   | PS06DUP had a sand plug and could not be extruded beyond 6 cm |           |                   |                 |     |                         |           | 3151-835 | 13-19cm       |                       |
| 36                                                                     | Not collected   | PS06DUP had a sand plug and could not be extruded beyond 6 cm |           |                   |                 |     |                         |           | 3151-836 | 19-25cm       |                       |
| 37                                                                     | SQV05-1039      | PS07                                                          | 4/29/2011 | SED               | 1               | X   |                         |           | 3151-801 | 0-3cm         |                       |
| 38                                                                     | SQV05-1040      | PS07                                                          | 4/29/2011 | SED               | 1               | X   |                         |           | 3151-802 | 3-6cm         |                       |
| 39                                                                     | SQV05-1041      | PS07                                                          | 4/29/2011 | SED               | 1               | X   |                         |           | 3151-803 | 6-9cm         |                       |
| 40                                                                     | SQV05-1042      | PS07                                                          | 4/29/2011 | SED               | 1               | X   |                         |           | 3151-804 | 9-13cm        |                       |
| 41                                                                     | SQV05-1043      | PS07                                                          | 4/29/2011 | SED               | 1               | X   |                         |           | 3151-805 | 13-19cm       |                       |
| 42                                                                     | SQV05-1044      | PS07                                                          | 4/29/2011 | SED               | 1               | X   |                         |           | 3151-806 | 19-25cm       |                       |
| 43                                                                     | SQV05-1045      | PS07                                                          | 4/29/2011 | SED               | 1               |     | X                       |           | 3151-819 | 0-3cm         |                       |
| 44                                                                     | SQV05-1046      | PS07                                                          | 4/29/2011 | SED               | 1               |     | X                       |           | 3151-820 | 3-6cm         |                       |
| 45                                                                     | SQV05-1047      | PS07                                                          | 4/29/2011 | SED               | 1               |     | X                       |           | 3151-821 | 6-9cm         |                       |
| 46                                                                     | SQV05-1048      | PS07                                                          | 4/29/2011 | SED               | 1               |     | X                       |           | 3151-822 | 9-13cm        |                       |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/29/2011



Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: Sed Quality Verification Study (Clear/Short Core Splits)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered Core/Split at MSL

Preservation: Refrigerate

| Line | Field Sample ID |      | Collection Date/Time | Matrix | No. of Containers | Test Parameters |     |                         |           |  | Laboratory ID | Observations/Comments |
|------|-----------------|------|----------------------|--------|-------------------|-----------------|-----|-------------------------|-----------|--|---------------|-----------------------|
|      |                 |      |                      |        |                   | Metals          | TOC | Organics conf + AVS/SEM | Screening |  |               |                       |
| 47   | SQV05-1049      | PS07 | 4/29/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-823      | 13-19cm               |
| 48   | SQV05-1050      | PS07 | 4/29/2011            | SED    | 1                 |                 | X   |                         |           |  | 3151-824      | 19-25cm               |
| 49   | SQV05-1051      | PS07 | 4/29/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-837      | 0-3cm                 |
| 50   | SQV05-1052      | PS07 | 4/29/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-838      | 3-6cm                 |
| 51   | SQV05-1053      | PS07 | 4/29/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-839      | 6-9cm                 |
| 52   | SQV05-1054      | PS07 | 4/29/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-840      | 9-13cm                |
| 53   | SQV05-1055      | PS07 | 4/29/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-841      | 13-19cm               |
| 54   | SQV05-1056      | PS07 | 4/29/2011            | SED    | 1                 |                 |     | X                       |           |  | 3151-842      | 19-25cm               |
|      |                 |      |                      |        |                   |                 |     |                         |           |  |               |                       |

|                        |           |
|------------------------|-----------|
| Relinquished By:       | Company:  |
| Signature/Printed Name | Date/Time |

|                                |                   |
|--------------------------------|-------------------|
| Received By:                   | Company: MSL      |
| Signature/Printed Name C. Susu | Date/Time 4/29/11 |

# SAMPLE LOGIN

Pacific Northwest  
NATIONAL LABORATORY

**Battelle**  
The Business of Innovation

Project Manager: Brandenberger

Date Received: 4/29/2011

Batch: SQV05 - Clear Core splits (core collected 4/29/11)

Login Designee: Suslick

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

Project: **ENVVEST Sed Eval Study**

| SPONSOR CODE | Site<br>Description | Station ID | BATTELLE<br>CODE | MATRIX | STORAGE LOCATION | PARAMETERS REQUESTED   | COLLECTION<br>DATE | INITIALS |
|--------------|---------------------|------------|------------------|--------|------------------|------------------------|--------------------|----------|
| SQV05-1015   | 0-3cm               | PS06       | 3151-789         | SED    | Deep Freezer     | Metals                 | 04/29/11           | CS       |
| SQV05-1016   | 3-6cm               | PS06       | 3151-790         | SED    | Deep Freezer     | Metals                 | 04/29/11           | CS       |
| SQV05-1017   | 6-9cm               | PS06       | 3151-791         | SED    | Deep Freezer     | Metals                 | 04/29/11           | CS       |
| SQV05-1018   | 9-13cm              | PS06       | 3151-792         | SED    | Deep Freezer     | Metals                 | 04/29/11           | CS       |
| SQV05-1019   | 13-19cm             | PS06       | 3151-793         | SED    | Deep Freezer     | Metals                 | 04/29/11           | CS       |
| SQV05-1020   | 19-25cm             | PS06       | 3151-794         | SED    | Deep Freezer     | Metals                 | 04/29/11           | CS       |
| SQV05-1021   | 0-3cm               | PS06       | 3151-807         | SED    | Walkin Freezer   | TOC                    | 04/29/11           | CS       |
| SQV05-1022   | 3-6cm               | PS06       | 3151-808         | SED    | Walkin Freezer   | TOC                    | 04/29/11           | CS       |
| SQV05-1023   | 6-9cm               | PS06       | 3151-809         | SED    | Walkin Freezer   | TOC                    | 04/29/11           | CS       |
| SQV05-1024   | 9-13cm              | PS06       | 3151-810         | SED    | Walkin Freezer   | TOC                    | 04/29/11           | CS       |
| SQV05-1025   | 13-19cm             | PS06       | 3151-811         | SED    | Walkin Freezer   | TOC                    | 04/29/11           | CS       |
| SQV05-1026   | 19-25cm             | PS06       | 3151-812         | SED    | Walkin Freezer   | TOC                    | 04/29/11           | CS       |
| SQV05-1027   | 0-3cm               | PS06       | 3151-825         | SED    | Walkin Freezer   | Organics Conf, AVS/SEM | 04/29/11           | CS       |
| SQV05-1028   | 3-6cm               | PS06       | 3151-826         | SED    | Walkin Freezer   | Organics Conf, AVS/SEM | 04/29/11           | CS       |
| SQV05-1029   | 6-9cm               | PS06       | 3151-827         | SED    | Walkin Freezer   | Organics Conf, AVS/SEM | 04/29/11           | CS       |
| SQV05-1030   | 9-13cm              | PS06       | 3151-828         | SED    | Walkin Freezer   | Organics Conf, AVS/SEM | 04/29/11           | CS       |
| SQV05-1031   | 13-19cm             | PS06       | 3151-829         | SED    | Walkin Freezer   | Organics Conf, AVS/SEM | 04/29/11           | CS       |
| SQV05-1032   | 19-25cm             | PS06       | 3151-830         | SED    | Walkin Freezer   | Organics Conf, AVS/SEM | 04/29/11           | CS       |
| SQV05-1033   | 0-3cm               | PS06DUP    | 3151-795         | SED    | Deep Freezer     | Metals                 | 04/29/11           | CS       |

# SAMPLE LOGIN



Project Manager: Brandenberger  
 Date Received: 4/29/2011  
 Batch: SQV05 - Clear Core splits (core collected 4/29/11)  
 Login Designee: Suslick

Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382  
 PH: (360) 681-4565

Project: **ENVVEST Sed Eval Study**

|                      |         |         |          |     |                |                        |          |    |
|----------------------|---------|---------|----------|-----|----------------|------------------------|----------|----|
| SQV05-1034           | 3-6cm   | PS06DUP | 3151-796 | SED | Deep Freezer   | Metals                 | 04/29/11 | CS |
| <b>Not collected</b> | 6-9cm   | PS06DUP | 3151-797 | SED |                | Metals                 | 04/29/11 | CS |
| <b>Not collected</b> | 9-13cm  | PS06DUP | 3151-798 | SED |                | Metals                 | 04/29/11 | CS |
| <b>Not collected</b> | 13-19cm | PS06DUP | 3151-799 | SED |                | Metals                 | 04/29/11 | CS |
| <b>Not collected</b> | 19-25cm | PS06DUP | 3151-800 | SED |                | Metals                 | 04/29/11 | CS |
| SQV05-1035           | 0-3cm   | PS06DUP | 3151-813 | SED | Walkin Freezer | TOC                    | 04/29/11 | CS |
| SQV05-1036           | 3-6cm   | PS06DUP | 3151-814 | SED | Walkin Freezer | TOC                    | 04/29/11 | CS |
| <b>Not collected</b> | 6-9cm   | PS06DUP | 3151-815 | SED |                | TOC                    | 04/29/11 | CS |
| <b>Not collected</b> | 9-13cm  | PS06DUP | 3151-816 | SED |                | TOC                    | 04/29/11 | CS |
| <b>Not collected</b> | 13-19cm | PS06DUP | 3151-817 | SED |                | TOC                    | 04/29/11 | CS |
| <b>Not collected</b> | 19-25cm | PS06DUP | 3151-818 | SED |                | TOC                    | 04/29/11 | CS |
| SQV05-1037           | 0-3cm   | PS06DUP | 3151-831 | SED | Walkin Freezer | Organics Conf, AVS/SEM | 04/29/11 | CS |
| SQV05-1038           | 3-6cm   | PS06DUP | 3151-832 | SED | Walkin Freezer | Organics Conf, AVS/SEM | 04/29/11 | CS |
| <b>Not collected</b> | 6-9cm   | PS06DUP | 3151-833 | SED |                | Organics Conf, AVS/SEM | 04/29/11 | CS |
| <b>Not collected</b> | 9-13cm  | PS06DUP | 3151-834 | SED |                | Organics Conf, AVS/SEM | 04/29/11 | CS |
| <b>Not collected</b> | 13-19cm | PS06DUP | 3151-835 | SED |                | Organics Conf, AVS/SEM | 04/29/11 | CS |
| <b>Not collected</b> | 19-25cm | PS06DUP | 3151-836 | SED |                | Organics Conf, AVS/SEM | 04/29/11 | CS |
| SQV05-1039           | 0-3cm   | PS07    | 3151-801 | SED | Deep Freezer   | Metals                 | 04/29/11 | CS |
| SQV05-1040           | 3-6cm   | PS07    | 3151-802 | SED | Deep Freezer   | Metals                 | 04/29/11 | CS |
| SQV05-1041           | 6-9cm   | PS07    | 3151-803 | SED | Deep Freezer   | Metals                 | 04/29/11 | CS |
| SQV05-1042           | 9-13cm  | PS07    | 3151-804 | SED | Deep Freezer   | Metals                 | 04/29/11 | CS |

## **SAMPLE LOGIN**

**Pacific Northwest**  
NATIONAL LABORATORY

**Battelle**  
The Business of Innovation

Project Manager: Brandenberger

Date Received: 4/29/2011

Batch: SQV05 - Clear Core splits (core collected 4/29/11)

Login Designee: Suslick

*Marine Sciences Laboratory*

*1529 West Sequim Bay Road*

*Sequim, Washington 98382*

*PH: (360) 681-4565*

Project: **ENVVEST Sed Eval Study**

|            |         |      |          |     |                |                        |          |    |
|------------|---------|------|----------|-----|----------------|------------------------|----------|----|
| SQV05-1043 | 13-19cm | PS07 | 3151-805 | SED | Deep Freezer   | Metals                 | 04/29/11 | CS |
| SQV05-1044 | 19-25cm | PS07 | 3151-806 | SED | Deep Freezer   | Metals                 | 04/29/11 | CS |
| SQV05-1045 | 0-3cm   | PS07 | 3151-819 | SED | Walkin Freezer | TOC                    | 04/29/11 | CS |
| SQV05-1046 | 3-6cm   | PS07 | 3151-820 | SED | Walkin Freezer | TOC                    | 04/29/11 | CS |
| SQV05-1047 | 6-9cm   | PS07 | 3151-821 | SED | Walkin Freezer | TOC                    | 04/29/11 | CS |
| SQV05-1048 | 9-13cm  | PS07 | 3151-822 | SED | Walkin Freezer | TOC                    | 04/29/11 | CS |
| SQV05-1049 | 13-19cm | PS07 | 3151-823 | SED | Walkin Freezer | TOC                    | 04/29/11 | CS |
| SQV05-1050 | 19-25cm | PS07 | 3151-824 | SED | Walkin Freezer | TOC                    | 04/29/11 | CS |
| SQV05-1051 | 0-3cm   | PS07 | 3151-837 | SED | Walkin Freezer | Organics Conf, AVS/SEM | 04/29/11 | CS |
| SQV05-1052 | 3-6cm   | PS07 | 3151-838 | SED | Walkin Freezer | Organics Conf, AVS/SEM | 04/29/11 | CS |
| SQV05-1053 | 6-9cm   | PS07 | 3151-839 | SED | Walkin Freezer | Organics Conf, AVS/SEM | 04/29/11 | CS |
| SQV05-1054 | 9-13cm  | PS07 | 3151-840 | SED | Walkin Freezer | Organics Conf, AVS/SEM | 04/29/11 | CS |
| SQV05-1055 | 13-19cm | PS07 | 3151-841 | SED | Walkin Freezer | Organics Conf, AVS/SEM | 04/29/11 | CS |
| SQV05-1056 | 19-25cm | PS07 | 3151-842 | SED | Walkin Freezer | Organics Conf, AVS/SEM | 04/29/11 | CS |

NOTE: PS06DUP had a sand plug and could not be extruded beyond 6 cm

# **SAMPLE LOGIN**

Project Manager: Brandenberger

Date Received: 4/29/2011

Batch: SQV05 - GRAB splits (collected 4/29/11)

Login Designee: Suslick

Project: **ENVVEST Sed Eval Study**

**Pacific Northwest**  
NATIONAL LABORATORY

**Battelle**  
The Business of Innovation

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

| SPONSOR CODE | Site Description | Station ID | BATTELLE CODE | MATRIX | STORAGE LOCATION    | PARAMETERS REQUESTED | COLLECTION DATE | INITIALS |
|--------------|------------------|------------|---------------|--------|---------------------|----------------------|-----------------|----------|
|              | PS06-1           | PS06       | NA            | SED    | (shipped to Joel G) | Screening            | 04/29/11        | CS       |
| SQV05-1057   | PS06-1           | PS06       | 3151-735      | SED    | Walkin Ref          | Grain Size           | 04/29/11        | CS       |
| SQV05-1058   | PS06-1           | PS06       | 3151-717      | SED    | Deep Freezer        | Metals               | 04/29/11        | CS       |
| SQV05-1059   | PS06-1           | PS06       | 3151-753      | SED    | Walkin Freezer      | TOC                  | 04/29/11        | CS       |
| SQV05-1060   | PS06-1           | PS06       | 3151-771      | SED    | Walkin Freezer      | Organics             | 04/29/11        | CS       |
|              | PS06-2           | PS06       | NA            | SED    | (shipped to Joel G) | Screening            | 04/29/11        | CS       |
| SQV05-1061   | PS06-2           | PS06       | 3151-736      | SED    | Walkin Ref          | Grain Size           | 04/29/11        | CS       |
| SQV05-1062   | PS06-2           | PS06       | 3151-718      | SED    | Deep Freezer        | Metals               | 04/29/11        | CS       |
| SQV05-1063   | PS06-2           | PS06       | 3151-754      | SED    | Walkin Freezer      | TOC                  | 04/29/11        | CS       |
| SQV05-1064   | PS06-2           | PS06       | 3151-772      | SED    | Walkin Freezer      | Organics             | 04/29/11        | CS       |
|              | PS06-3           | PS06       | NA            | SED    | (shipped to Joel G) | Screening            | 04/29/11        | CS       |
| SQV05-1065   | PS06-3           | PS06       | 3151-737      | SED    | Walkin Ref          | Grain Size           | 04/29/11        | CS       |
| SQV05-1066   | PS06-3           | PS06       | 3151-719      | SED    | Deep Freezer        | Metals               | 04/29/11        | CS       |
| SQV05-1067   | PS06-3           | PS06       | 3151-755      | SED    | Walkin Freezer      | TOC                  | 04/29/11        | CS       |
| SQV05-1068   | PS06-3           | PS06       | 3151-773      | SED    | Walkin Freezer      | Organics             | 04/29/11        | CS       |
|              | PS06-4           | PS06       | NA            | SED    | (shipped to Joel G) | Screening            | 04/29/11        | CS       |
| SQV05-1069   | PS06-4           | PS06       | 3151-738      | SED    | Walkin Ref          | Grain Size           | 04/29/11        | CS       |
| SQV05-1070   | PS06-4           | PS06       | 3151-720      | SED    | Deep Freezer        | Metals               | 04/29/11        | CS       |
| SQV05-1071   | PS06-4           | PS06       | 3151-756      | SED    | Walkin Freezer      | TOC                  | 04/29/11        | CS       |

# **SAMPLE LOGIN**

**Pacific Northwest**  
NATIONAL LABORATORY

**Battelle**  
The Business of Innovation

Project Manager: Brandenberger

Date Received: 4/29/2011

Batch: SQV05 - GRAB splits (collected 4/29/11)

Login Designee: Suslick

Project: **ENVVEST Sed Eval Study**

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

|            |        |      |          |     |                     |            |          |    |
|------------|--------|------|----------|-----|---------------------|------------|----------|----|
| SQV05-1072 | PS06-4 | PS06 | 3151-774 | SED | Walkin Freezer      | Organics   | 04/29/11 | CS |
|            | PS06-5 | PS06 | NA       | SED | (shipped to Joel G) | Screening  | 04/29/11 | CS |
| SQV05-1073 | PS06-5 | PS06 | 3151-739 | SED | Walkin Ref          | Grain Size | 04/29/11 | CS |
| SQV05-1074 | PS06-5 | PS06 | 3151-721 | SED | Deep Freezer        | Metals     | 04/29/11 | CS |
| SQV05-1075 | PS06-5 | PS06 | 3151-757 | SED | Walkin Freezer      | TOC        | 04/29/11 | CS |
| SQV05-1076 | PS06-5 | PS06 | 3151-775 | SED | Walkin Freezer      | Organics   | 04/29/11 | CS |
|            | PS06-6 | PS06 | NA       | SED | (shipped to Joel G) | Screening  | 04/29/11 | CS |
| SQV05-1077 | PS06-6 | PS06 | 3151-740 | SED | Walkin Ref          | Grain Size | 04/29/11 | CS |
| SQV05-1078 | PS06-6 | PS06 | 3151-722 | SED | Deep Freezer        | Metals     | 04/29/11 | CS |
| SQV05-1079 | PS06-6 | PS06 | 3151-758 | SED | Walkin Freezer      | TOC        | 04/29/11 | CS |
| SQV05-1080 | PS06-6 | PS06 | 3151-776 | SED | Walkin Freezer      | Organics   | 04/29/11 | CS |
|            | PS07-1 | PS07 | NA       | SED | (shipped to Joel G) | Screening  | 04/29/11 | CS |
| SQV05-1081 | PS07-1 | PS07 | 3151-741 | SED | Walkin Ref          | Grain Size | 04/29/11 | CS |
| SQV05-1082 | PS07-1 | PS07 | 3151-723 | SED | Deep Freezer        | Metals     | 04/29/11 | CS |
| SQV05-1083 | PS07-1 | PS07 | 3151-759 | SED | Walkin Freezer      | TOC        | 04/29/11 | CS |
| SQV05-1084 | PS07-1 | PS07 | 3151-777 | SED | Walkin Freezer      | Organics   | 04/29/11 | CS |
|            | PS07-2 | PS07 | NA       | SED | (shipped to Joel G) | Screening  | 04/29/11 | CS |
| SQV05-1085 | PS07-2 | PS07 | 3151-742 | SED | Walkin Ref          | Grain Size | 04/29/11 | CS |
| SQV05-1086 | PS07-2 | PS07 | 3151-724 | SED | Deep Freezer        | Metals     | 04/29/11 | CS |
| SQV05-1087 | PS07-2 | PS07 | 3151-760 | SED | Walkin Freezer      | TOC        | 04/29/11 | CS |
| SQV05-1088 | PS07-2 | PS07 | 3151-778 | SED | Walkin Freezer      | Organics   | 04/29/11 | CS |

# **SAMPLE LOGIN**

**Pacific Northwest**  
NATIONAL LABORATORY

**Battelle**  
The Business of Innovation

Project Manager: Brandenberger

Date Received: 4/29/2011

Batch: SQV05 - GRAB splits (collected 4/29/11)

Login Designee: Suslick

Project: **ENVVEST Sed Eval Study**

Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382  
PH: (360) 681-4565

|            |        |      |          |     |                     |            |          |    |
|------------|--------|------|----------|-----|---------------------|------------|----------|----|
|            | PS07-3 | PS07 | NA       | SED | (shipped to Joel G) | Screening  | 04/29/11 | CS |
| SQV05-1089 | PS07-3 | PS07 | 3151-743 | SED | Walkin Ref          | Grain Size | 04/29/11 | CS |
| SQV05-1090 | PS07-3 | PS07 | 3151-725 | SED | Deep Freezer        | Metals     | 04/29/11 | CS |
| SQV05-1091 | PS07-3 | PS07 | 3151-761 | SED | Walkin Freezer      | TOC        | 04/29/11 | CS |
| SQV05-1092 | PS07-3 | PS07 | 3151-779 | SED | Walkin Freezer      | Organics   | 04/29/11 | CS |
|            | PS07-4 | PS07 | NA       | SED | (shipped to Joel G) | Screening  | 04/29/11 | CS |
| SQV05-1093 | PS07-4 | PS07 | 3151-744 | SED | Walkin Ref          | Grain Size | 04/29/11 | CS |
| SQV05-1094 | PS07-4 | PS07 | 3151-726 | SED | Deep Freezer        | Metals     | 04/29/11 | CS |
| SQV05-1095 | PS07-4 | PS07 | 3151-762 | SED | Walkin Freezer      | TOC        | 04/29/11 | CS |
| SQV05-1096 | PS07-4 | PS07 | 3151-780 | SED | Walkin Freezer      | Organics   | 04/29/11 | CS |
|            | PS07-5 | PS07 | NA       | SED | (shipped to Joel G) | Screening  | 04/29/11 | CS |
| SQV05-1097 | PS07-5 | PS07 | 3151-745 | SED | Walkin Ref          | Grain Size | 04/29/11 | CS |
| SQV05-1098 | PS07-5 | PS07 | 3151-727 | SED | Deep Freezer        | Metals     | 04/29/11 | CS |
| SQV05-1099 | PS07-5 | PS07 | 3151-763 | SED | Walkin Freezer      | TOC        | 04/29/11 | CS |
| SQV05-1100 | PS07-5 | PS07 | 3151-781 | SED | Walkin Freezer      | Organics   | 04/29/11 | CS |
|            | PS07-6 | PS07 | NA       | SED | (shipped to Joel G) | Screening  | 04/29/11 | CS |
| SQV05-1101 | PS07-6 | PS07 | 3151-746 | SED | Walkin Ref          | Grain Size | 04/29/11 | CS |
| SQV05-1102 | PS07-6 | PS07 | 3151-728 | SED | Deep Freezer        | Metals     | 04/29/11 | CS |
| SQV05-1103 | PS07-6 | PS07 | 3151-764 | SED | Walkin Freezer      | TOC        | 04/29/11 | CS |
| SQV05-1104 | PS07-6 | PS07 | 3151-782 | SED | Walkin Freezer      | Organics   | 04/29/11 | CS |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/29/2011



**Battelle**  
The Business of Innovation

Project Name: Sed Quality Verification Study (Grabs)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered/Split at MSL

Preservation: Refrigerate

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

| Line | Field Sample ID |        | Collection Date/Time | Matrix | No. of Containers | Test Parameters |            |        |     |          | Laboratory ID | Observations/ Comments |
|------|-----------------|--------|----------------------|--------|-------------------|-----------------|------------|--------|-----|----------|---------------|------------------------|
|      |                 |        |                      |        |                   | Screening       | Grain Size | Metals | TOC | Organics |               |                        |
| 1    | PS06-1          |        | 4/29/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                        |
| 2    | SQV05-1057      | PS06-1 | 4/29/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-735      |                        |
| 3    | SQV05-1058      | PS06-1 | 4/29/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-717      |                        |
| 4    | SQV05-1059      | PS06-1 | 4/29/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-753      |                        |
| 5    | SQV05-1060      | PS06-1 | 4/29/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-771      |                        |
| 6    | PS06-2          |        | 4/29/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                        |
| 7    | SQV05-1061      | PS06-2 | 4/29/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-736      |                        |
| 8    | SQV05-1062      | PS06-2 | 4/29/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-718      |                        |
| 9    | SQV05-1063      | PS06-2 | 4/29/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-754      |                        |
| 10   | SQV05-1064      | PS06-2 | 4/29/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-772      |                        |
| 11   | PS06-3          |        | 4/29/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                        |
| 12   | SQV05-1065      | PS06-3 | 4/29/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-737      |                        |
| 13   | SQV05-1066      | PS06-3 | 4/29/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-719      |                        |
| 14   | SQV05-1067      | PS06-3 | 4/29/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-755      |                        |
| 15   | SQV05-1068      | PS06-3 | 4/29/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-773      |                        |
| 16   | PS06-4          |        | 4/29/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                        |
| 17   | SQV05-1069      | PS06-4 | 4/29/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-738      |                        |
| 18   | SQV05-1070      | PS06-4 | 4/29/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-720      |                        |
| 19   | SQV05-1071      | PS06-4 | 4/29/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-756      |                        |
| 20   | SQV05-1072      | PS06-4 | 4/29/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-774      |                        |
| 21   | PS06-5          |        | 4/29/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                        |
| 22   | SQV05-1073      | PS06-5 | 4/29/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-739      |                        |
| 23   | SQV05-1074      | PS06-5 | 4/29/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-721      |                        |
| 24   | SQV05-1075      | PS06-5 | 4/29/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-757      |                        |
| 25   | SQV05-1076      | PS06-5 | 4/29/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-775      |                        |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/29/2011



**Battelle**  
The Business of Innovation

Project Name: Sed Quality Verification Study (Grabs)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered/Split at MSL

Preservation: Refrigerate

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

| Line | Field Sample ID |        | Collection Date/Time | Matrix | No. of Containers | Test Parameters |            |        |     |          | Laboratory ID | Observations/ Comments |
|------|-----------------|--------|----------------------|--------|-------------------|-----------------|------------|--------|-----|----------|---------------|------------------------|
|      |                 |        |                      |        |                   | Screening       | Grain Size | Metals | TOC | Organics |               |                        |
| 26   | PS06-6          |        | 4/29/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                        |
| 27   | SQV05-1077      | PS06-6 | 4/29/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-740      |                        |
| 28   | SQV05-1078      | PS06-6 | 4/29/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-722      |                        |
| 29   | SQV05-1079      | PS06-6 | 4/29/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-758      |                        |
| 30   | SQV05-1080      | PS06-6 | 4/29/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-776      |                        |
| 31   | PS07-1          |        | 4/29/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                        |
| 32   | SQV05-1081      | PS07-1 | 4/29/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-741      |                        |
| 33   | SQV05-1082      | PS07-1 | 4/29/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-723      |                        |
| 34   | SQV05-1083      | PS07-1 | 4/29/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-759      |                        |
| 35   | SQV05-1084      | PS07-1 | 4/29/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-777      |                        |
| 36   | PS07-2          |        | 4/29/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                        |
| 37   | SQV05-1085      | PS07-2 | 4/29/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-742      |                        |
| 38   | SQV05-1086      | PS07-2 | 4/29/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-724      |                        |
| 39   | SQV05-1087      | PS07-2 | 4/29/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-760      |                        |
| 40   | SQV05-1088      | PS07-2 | 4/29/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-778      |                        |
| 41   | PS07-3          |        | 4/29/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                        |
| 42   | SQV05-1089      | PS07-3 | 4/29/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-743      |                        |
| 43   | SQV05-1090      | PS07-3 | 4/29/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-725      |                        |
| 44   | SQV05-1091      | PS07-3 | 4/29/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-761      |                        |
| 45   | SQV05-1092      | PS07-3 | 4/29/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-779      |                        |
| 46   | PS07-4          |        | 4/29/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                        |
| 47   | SQV05-1093      | PS07-4 | 4/29/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-744      |                        |
| 48   | SQV05-1094      | PS07-4 | 4/29/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-726      |                        |
| 49   | SQV05-1095      | PS07-4 | 4/29/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-762      |                        |
| 50   | SQV05-1096      | PS07-4 | 4/29/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-780      |                        |

# SAMPLE CUSTODY RECORD

(SOP#: MSL-A-001 & MSL-A-002)

Date: 4/29/2011



**Battelle**  
The Business of Innovation

Pacific Northwest Division  
Marine Sciences Laboratory  
1529 West Sequim Bay Road  
Sequim, Washington 98382

Project Name: Sed Quality Verification Study (Grabs)

Project Manager: Brandenberger

Phone Number:

Shipment Method: Hand Delivered/Split at MSL

Preservation: Refrigerate

| Line | Field Sample ID |        | Collection Date/Time | Matrix | No. of Containers | Test Parameters |            |        |     |          | Laboratory ID | Observations/Comments |
|------|-----------------|--------|----------------------|--------|-------------------|-----------------|------------|--------|-----|----------|---------------|-----------------------|
|      |                 |        |                      |        |                   | Screening       | Grain Size | Metals | TOC | Organics |               |                       |
| 51   | PS07-5          |        | 4/29/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 52   | SQV05-1097      | PS07-5 | 4/29/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-745      |                       |
| 53   | SQV05-1098      | PS07-5 | 4/29/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-727      |                       |
| 54   | SQV05-1099      | PS07-5 | 4/29/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-763      |                       |
| 55   | SQV05-1100      | PS07-5 | 4/29/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-781      |                       |
| 56   | PS07-6          |        | 4/29/2011            | SED    | 1                 | X               |            |        |     |          | NA            |                       |
| 57   | SQV05-1101      | PS07-6 | 4/29/2011            | SED    | 1                 |                 | X          |        |     |          | 3151-746      |                       |
| 58   | SQV05-1102      | PS07-6 | 4/29/2011            | SED    | 1                 |                 |            | X      |     |          | 3151-728      |                       |
| 59   | SQV05-1103      | PS07-6 | 4/29/2011            | SED    | 1                 |                 |            |        | X   |          | 3151-764      |                       |
| 60   | SQV05-1104      | PS07-6 | 4/29/2011            | SED    | 1                 |                 |            |        |     | X        | 3151-782      |                       |

|                        |           |
|------------------------|-----------|
| Relinquished By:       | Company:  |
| Signature/Printed Name | Date/Time |

|                                        |                    |
|----------------------------------------|--------------------|
| Received By:                           | Company: MSC       |
| Signature/Printed Name: C. S. Sullivan | Date/Time: 4/29/11 |

# SQV06\_Pier 7 Transects

CP#3151

Project Name:

RSC Project - Pier 7 Sediment Quality Verification (SQV) Study

Page 1 of 3

| Sample ID                             | # of containers                      | Date (dd-mm-yy) | Time (local) | LAB       | Sample Type       | Matrix   | Location                | Analysis        | Pres.      | COC # |              |              |
|---------------------------------------|--------------------------------------|-----------------|--------------|-----------|-------------------|----------|-------------------------|-----------------|------------|-------|--------------|--------------|
| P7-T1-2                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier 7, NSY Puget Sound | TBD             | none       | 1     |              |              |
| P7-T1-3                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T1-4                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T1-5                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T2-1                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T2-2                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T2-4                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T2-5                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T3-1                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T3-2                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T3-3                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T3-4                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T4-1                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T4-2                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T4-3                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T4-4                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T4-5                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T5-1                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T5-2                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T5-3                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T5-4                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T5-5                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T6-1                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T6-2                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T6-3                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T6-4                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T6-5                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T7-1                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T7-2                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T7-3                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier7, NSY Puget Sound  | TBD             | none       | 1     |              |              |
| P7-T7-4                               | 1                                    |                 |              | BMSL      | grab              | sediment | Pier 7, NSY Puget Sound | TBD             | none       | 1     |              |              |
| Relinquished by                       | Joel Guerrero                        |                 |              | Date/Time | 04-28-2011 / 1208 |          |                         | Relinquished by |            |       |              |              |
| Received by                           | Carolyn Suslick / <i>[Signature]</i> |                 |              | Date/Time | 04-28-2011 / 1200 |          |                         | Received by     |            |       |              |              |
| Fedex Tracking number                 |                                      |                 |              | Shipper:  |                   |          |                         | J. Guerrero     |            | Tele: | 619.553.4169 |              |
| Please check appropriate ship to box: |                                      |                 |              | X         | Drop-off: BMSL    |          |                         |                 | C. Suslick |       | Tele:        | 360.681.3624 |
|                                       |                                      |                 |              |           | Ship to:          |          |                         |                 |            |       | Tele:        |              |

| MET | ORL | GS  |
|-----|-----|-----|
| 573 | 621 | 669 |
| 603 | 651 | 699 |

Samples rec'd @ MSL 4/25/11, held @ 4°C until split on 4/29/11. COCs read on 4/29/11 @ MSL water assigned @ splits - see logline sheet.

Project Name:

RSC Project - Pier 7 Sediment Quality Verification (SQV) Study

Page 2 of 3

CF#3151

| Sample ID          | # of containers | Date (dd-mm-yy) | Time (local) | LAB  | Sample Type | Matrix   | Location                | Analysis | Pres. | COC # |
|--------------------|-----------------|-----------------|--------------|------|-------------|----------|-------------------------|----------|-------|-------|
| P7-T7-5            | 1               |                 |              | BMSL | grab        | sediment | Pier 7, NSY Puget Sound | TBD      | none  | 1     |
| P7-T7-6            | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T8-1            | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T8-2            | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T8-3            | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T9-1            | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T9-2            | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T9-3            | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T9-4            | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T9-5            | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T9-6            | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T10-1           | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T10-2           | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T10-3           | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T10-4           | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T10-5           | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| P7-T10-6           | 1               |                 |              | BMSL | grab        | sediment | Pier7, NSY Puget Sound  | TBD      | none  | 1     |
| Total = 48 samples |                 |                 |              |      |             |          |                         |          |       |       |
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From: Space & Naval Warfare (SPAWAR) Systems Center Pacific [SSC-PACIFIC]  
 Advanced Systems & Applied Sciences Division  
 Applied Systems & Environmental Sciences Branch, Code 71752  
 Project NSY Puget Sound - Drydock Caisson Sediment Assessment  
 Project Manager Dr. R.K. Johnston, PhD. - MESO NW Det.  
 Project POC Joel Guerrero  
 Position Environmental Chemist  
 Street Address 53475 Strothe Road  
 City, State, Zip Code San Diego, CA 92152  
 Telephone Number 619.553.5332 619.553.4169  
 Email Address #1 [johnston@spawar.navy.mil](mailto:johnston@spawar.navy.mil)  
 Email Address #2 [joel.guerrero@navy.mil](mailto:joel.guerrero@navy.mil)

To: Battelle Marine Sciences Laboratory (BMSL)  
 Laboratory Battelle Sequim Operations PNNL  
 Contact Dr. Jill Brandenberger, PhD.  
 Carolyn Suslick  
 Position Sr Staff Scientist/Member Technical Staff  
 Street Address 1529 West Sequim Bay Road  
 City, State, Zip Code Sequim, WA 98382  
 Phone Number 360.681.4564  
 Fax Number 360.681.3699  
 Email Address # 1 [jill.brandenberger@pnl.gov](mailto:jill.brandenberger@pnl.gov)  
 Email Address # 2 [carolyn.suslick@pnl.gov](mailto:carolyn.suslick@pnl.gov)

Project Name: RSC Project - Pier 7 Sediment Quality Verification (SQV) Study

| Instruction                            | Yes/No | Comment                        |
|----------------------------------------|--------|--------------------------------|
| 1) Email COC                           | No     |                                |
| 2) Call/Fax Prior to Shipping          | No     |                                |
| 3) Verify receipt of samples via Email | Yes    | cc to R.K. Johnston/J.Guerrero |
| 4) Special Processing Required         | No     | samples kept dark/cold         |

# SAMPLE LOGIN



NOTE: A Rapid Screening split was also collected  
4/29/11 and shipped to Joel G

Project Manager: Brandenberger

Date Received: 4/29/2011

Batch: SQV06 - Grain Size (collected 4/22/11; split 4/29/11)

Login Designee: Suslick

Marine Sciences Laboratory

1529 West Sequim Bay Road

Sequim, Washington 98382

PH: (360) 681-4565

Project: **ENVVEST Sed Eval Study**

| SPONSOR CODE | Site Description | BATTELLE CODE | MATRIX | STORAGE LOCATION | PARAMETERS REQUESTED | COLLECTION DATE | INITIALS |
|--------------|------------------|---------------|--------|------------------|----------------------|-----------------|----------|
| P7-T1-2      | PEIR 7           | 3151-573      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T1-3      | PEIR 7           | 3151-574      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T1-4      | PEIR 7           | 3151-575      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T1-5      | PEIR 7           | 3151-576      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T2-1      | PEIR 7           | 3151-577      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T2-2      | PEIR 7           | 3151-578      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T2-4      | PEIR 7           | 3151-579      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T2-5      | PEIR 7           | 3151-580      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T3-1      | PEIR 7           | 3151-581      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T3-2      | PEIR 7           | 3151-582      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T3-3      | PEIR 7           | 3151-583      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T3-4      | PEIR 7           | 3151-584      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T4-1      | PEIR 7           | 3151-585      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T4-2      | PEIR 7           | 3151-586      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T4-3      | PEIR 7           | 3151-587      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T4-4      | PEIR 7           | 3151-588      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T4-5      | PEIR 7           | 3151-589      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T5-1      | PEIR 7           | 3151-590      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T5-2      | PEIR 7           | 3151-591      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |
| P7-T5-3      | PEIR 7           | 3151-592      | sed    | Deep Freezer     | Metals               | 04/22/11        | CS       |

# **SAMPLE LOGIN**



Project Manager: Brandenberger  
 Date Received: 4/29/2011  
 Batch: SQV06 - Grain Size (collected 4/22/11; split 4/29/11)  
 Login Designee: Suslick

Project: **ENVVEST Sed Eval Study**

*NOTE: A Rapid Screening split was also collected  
 4/29/11 and shipped to Joel G*

*Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382  
 PH: (360) 681-4565*

|         |        |          |     |              |        |          |    |
|---------|--------|----------|-----|--------------|--------|----------|----|
| P7-T5-4 | PEIR 7 | 3151-593 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T5-5 | PEIR 7 | 3151-594 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T6-1 | PEIR 7 | 3151-595 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T6-2 | PEIR 7 | 3151-596 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T6-3 | PEIR 7 | 3151-597 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T6-4 | PEIR 7 | 3151-598 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T6-5 | PEIR 7 | 3151-599 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T7-1 | PEIR 7 | 3151-600 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T7-2 | PEIR 7 | 3151-601 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T7-3 | PEIR 7 | 3151-602 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T7-4 | PEIR 7 | 3151-603 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T7-5 | PEIR 7 | 3151-604 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T7-6 | PEIR 7 | 3151-605 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T8-1 | PEIR 7 | 3151-606 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T8-2 | PEIR 7 | 3151-607 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T8-3 | PEIR 7 | 3151-608 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T9-1 | PEIR 7 | 3151-609 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T9-2 | PEIR 7 | 3151-610 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T9-3 | PEIR 7 | 3151-611 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T9-4 | PEIR 7 | 3151-612 | sed | Deep Freezer | Metals | 04/22/11 | CS |
| P7-T9-5 | PEIR 7 | 3151-613 | sed | Deep Freezer | Metals | 04/22/11 | CS |

# **SAMPLE LOGIN**



Project Manager: Brandenberger  
 Date Received: 4/29/2011  
 Batch: SQV06 - Grain Size (collected 4/22/11; split 4/29/11)  
 Login Designee: Suslick

Project: **ENVVEST Sed Eval Study**

*NOTE: A Rapid Screening split was also collected  
 4/29/11 and shipped to Joel G*

*Marine Sciences Laboratory  
 1529 West Sequim Bay Road  
 Sequim, Washington 98382  
 PH: (360) 681-4565*

|          |        |          |     |                |          |          |    |
|----------|--------|----------|-----|----------------|----------|----------|----|
| P7-T9-6  | PEIR 7 | 3151-614 | sed | Deep Freezer   | Metals   | 04/22/11 | CS |
| P7-T10-1 | PEIR 7 | 3151-615 | sed | Deep Freezer   | Metals   | 04/22/11 | CS |
| P7-T10-2 | PEIR 7 | 3151-616 | sed | Deep Freezer   | Metals   | 04/22/11 | CS |
| P7-T10-3 | PEIR 7 | 3151-617 | sed | Deep Freezer   | Metals   | 04/22/11 | CS |
| P7-T10-4 | PEIR 7 | 3151-618 | sed | Deep Freezer   | Metals   | 04/22/11 | CS |
| P7-T10-5 | PEIR 7 | 3151-619 | sed | Deep Freezer   | Metals   | 04/22/11 | CS |
| P7-T10-6 | PEIR 7 | 3151-620 | sed | Deep Freezer   | Metals   | 04/22/11 | CS |
| P7-T1-2  | PEIR 7 | 3151-621 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T1-3  | PEIR 7 | 3151-622 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T1-4  | PEIR 7 | 3151-623 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T1-5  | PEIR 7 | 3151-624 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T2-1  | PEIR 7 | 3151-625 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T2-2  | PEIR 7 | 3151-626 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T2-4  | PEIR 7 | 3151-627 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T2-5  | PEIR 7 | 3151-628 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T3-1  | PEIR 7 | 3151-629 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T3-2  | PEIR 7 | 3151-630 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T3-3  | PEIR 7 | 3151-631 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T3-4  | PEIR 7 | 3151-632 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T4-1  | PEIR 7 | 3151-633 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T4-2  | PEIR 7 | 3151-634 | sed | Walkin Freezer | Organics | 04/22/11 | CS |

# **SAMPLE LOGIN**



Project Manager: Brandenberger  
 Date Received: 4/29/2011  
 Batch: SQV06 - Grain Size (collected 4/22/11; split 4/29/11)  
 Login Designee: Suslick

Project: **ENVVEST Sed Eval Study**

*NOTE: A Rapid Screening split was also collected  
 4/29/11 and shipped to Joel G*

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 1529 West Sequim Bay Road  
 Sequim, Washington 98382  
 PH: (360) 681-4565*

|         |        |          |     |                |          |          |    |
|---------|--------|----------|-----|----------------|----------|----------|----|
| P7-T4-3 | PEIR 7 | 3151-635 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T4-4 | PEIR 7 | 3151-636 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T4-5 | PEIR 7 | 3151-637 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T5-1 | PEIR 7 | 3151-638 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T5-2 | PEIR 7 | 3151-639 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T5-3 | PEIR 7 | 3151-640 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T5-4 | PEIR 7 | 3151-641 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T5-5 | PEIR 7 | 3151-642 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T6-1 | PEIR 7 | 3151-643 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T6-2 | PEIR 7 | 3151-644 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T6-3 | PEIR 7 | 3151-645 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T6-4 | PEIR 7 | 3151-646 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T6-5 | PEIR 7 | 3151-647 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T7-1 | PEIR 7 | 3151-648 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T7-2 | PEIR 7 | 3151-649 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T7-3 | PEIR 7 | 3151-650 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T7-4 | PEIR 7 | 3151-651 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T7-5 | PEIR 7 | 3151-652 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T7-6 | PEIR 7 | 3151-653 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T8-1 | PEIR 7 | 3151-654 | sed | Walkin Freezer | Organics | 04/22/11 | CS |
| P7-T8-2 | PEIR 7 | 3151-655 | sed | Walkin Freezer | Organics | 04/22/11 | CS |

## **SAMPLE LOGIN**



*NOTE: A Rapid Screening split was also collected  
4/29/11 and shipped to Joel G*

Project Manager: Brandenberger

Date Received: 4/29/2011

Batch: SQV06 - Grain Size (collected 4/22/11; split 4/29/11)

Login Designee: Suslick

*Marine Sciences Laboratory*

*1529 West Sequim Bay Road*

*Sequim, Washington 98382*

*PH: (360) 681-4565*

Project: **ENVVEST Sed Eval Study**

|          |        |          |     |                  |            |          |    |
|----------|--------|----------|-----|------------------|------------|----------|----|
| P7-T8-3  | PEIR 7 | 3151-656 | sed | Walkin Freezer   | Organics   | 04/22/11 | CS |
| P7-T9-1  | PEIR 7 | 3151-657 | sed | Walkin Freezer   | Organics   | 04/22/11 | CS |
| P7-T9-2  | PEIR 7 | 3151-658 | sed | Walkin Freezer   | Organics   | 04/22/11 | CS |
| P7-T9-3  | PEIR 7 | 3151-659 | sed | Walkin Freezer   | Organics   | 04/22/11 | CS |
| P7-T9-4  | PEIR 7 | 3151-660 | sed | Walkin Freezer   | Organics   | 04/22/11 | CS |
| P7-T9-5  | PEIR 7 | 3151-661 | sed | Walkin Freezer   | Organics   | 04/22/11 | CS |
| P7-T9-6  | PEIR 7 | 3151-662 | sed | Walkin Freezer   | Organics   | 04/22/11 | CS |
| P7-T10-1 | PEIR 7 | 3151-663 | sed | Walkin Freezer   | Organics   | 04/22/11 | CS |
| P7-T10-2 | PEIR 7 | 3151-664 | sed | Walkin Freezer   | Organics   | 04/22/11 | CS |
| P7-T10-3 | PEIR 7 | 3151-665 | sed | Walkin Freezer   | Organics   | 04/22/11 | CS |
| P7-T10-4 | PEIR 7 | 3151-666 | sed | Walkin Freezer   | Organics   | 04/22/11 | CS |
| P7-T10-5 | PEIR 7 | 3151-667 | sed | Walkin Freezer   | Organics   | 04/22/11 | CS |
| P7-T10-6 | PEIR 7 | 3151-668 | sed | Walkin Freezer   | Organics   | 04/22/11 | CS |
| P7-T1-2  | PEIR 7 | 3151-669 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T1-3  | PEIR 7 | 3151-670 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T1-4  | PEIR 7 | 3151-671 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T1-5  | PEIR 7 | 3151-672 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T2-1  | PEIR 7 | 3151-673 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T2-2  | PEIR 7 | 3151-674 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T2-4  | PEIR 7 | 3151-675 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T2-5  | PEIR 7 | 3151-676 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |

# **SAMPLE LOGIN**



*NOTE: A Rapid Screening split was also collected  
4/29/11 and shipped to Joel G*

Project Manager: Brandenberger

Date Received: 4/29/2011

Batch: SQV06 - Grain Size (collected 4/22/11; split 4/29/11)

Login Designee: Suslick

*Marine Sciences Laboratory*

*1529 West Sequim Bay Road*

*Sequim, Washington 98382*

*PH: (360) 681-4565*

Project: **ENVVEST Sed Eval Study**

|         |        |          |     |                  |            |          |    |
|---------|--------|----------|-----|------------------|------------|----------|----|
| P7-T3-1 | PEIR 7 | 3151-677 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T3-2 | PEIR 7 | 3151-678 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T3-3 | PEIR 7 | 3151-679 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T3-4 | PEIR 7 | 3151-680 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T4-1 | PEIR 7 | 3151-681 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T4-2 | PEIR 7 | 3151-682 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T4-3 | PEIR 7 | 3151-683 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T4-4 | PEIR 7 | 3151-684 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T4-5 | PEIR 7 | 3151-685 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T5-1 | PEIR 7 | 3151-686 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T5-2 | PEIR 7 | 3151-687 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T5-3 | PEIR 7 | 3151-688 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T5-4 | PEIR 7 | 3151-689 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T5-5 | PEIR 7 | 3151-690 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T6-1 | PEIR 7 | 3151-691 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T6-2 | PEIR 7 | 3151-692 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T6-3 | PEIR 7 | 3151-693 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T6-4 | PEIR 7 | 3151-694 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T6-5 | PEIR 7 | 3151-695 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T7-1 | PEIR 7 | 3151-696 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T7-2 | PEIR 7 | 3151-697 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |

# **SAMPLE LOGIN**

Project Manager: Brandenberger

Date Received: 4/29/2011

Batch: SQV06 - Grain Size (collected 4/22/11; split 4/29/11)

Login Designee: Suslick

Project: **ENVVEST Sed Eval Study**



*NOTE: A Rapid Screening split was also collected  
4/29/11 and shipped to Joel G*

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1529 West Sequim Bay Road  
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PH: (360) 681-4565*

|          |        |          |     |                  |            |          |    |
|----------|--------|----------|-----|------------------|------------|----------|----|
| P7-T7-3  | PEIR 7 | 3151-698 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T7-4  | PEIR 7 | 3151-699 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T7-5  | PEIR 7 | 3151-700 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T7-6  | PEIR 7 | 3151-701 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T8-1  | PEIR 7 | 3151-702 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T8-2  | PEIR 7 | 3151-703 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T8-3  | PEIR 7 | 3151-704 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T9-1  | PEIR 7 | 3151-705 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T9-2  | PEIR 7 | 3151-706 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T9-3  | PEIR 7 | 3151-707 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T9-4  | PEIR 7 | 3151-708 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T9-5  | PEIR 7 | 3151-709 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T9-6  | PEIR 7 | 3151-710 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T10-1 | PEIR 7 | 3151-711 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T10-2 | PEIR 7 | 3151-712 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T10-3 | PEIR 7 | 3151-713 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T10-4 | PEIR 7 | 3151-714 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T10-5 | PEIR 7 | 3151-715 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |
| P7-T10-6 | PEIR 7 | 3151-716 | sed | Walkin Cold room | Grain Size | 04/22/11 | CS |

## LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #:

3151

Sample No(s):

(assigned after split)

Batch:

SAV-06

Project Name:

SED Qual Study Everest

Project Manager:

JMB

## TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix:

SEDS

WP#

Yes

No

☐☐

Navy-type Project (requires high-level sample tracking procedures)

☐☐

USDA Samples (see Compliance Agreement Checklist)

PM Verification:

☐☐

Filter Samples:

Amount:

Entire sample

Half of sample

☐☐

Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Login Lab)

☐☐

Special instructions:

Sample Preservation Instructions:

\*\*See LIMS for archive/disposal information\*\*

## TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes

No

N/A

Indicate in Appropriate Box

☐☒☐

Custody seal present

Seal intact?

YES

NO

☐☒☐Cooler temperature (acceptable range:  $4 \pm 2^\circ\text{C}$  or solids: frozen)  
(if multiple coolers, note temp. of each)

#1-11.3

#2-11.7C

#3-11.5

#4-11.7C

☒☐☐

Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)

Comment/Remedy:

OK - Hand delivered from field

☒☐☐Were all chain of custody forms signed and dated?☐☐☒

Were samples filtered at MSL?

Sample condition(s):

Acceptable

Other (explain):

Container type:

Teflon

Poly

Glass

Cap. Vial

Other:

Notes:

Completed By:

COWSLIN

Date/Time:

4/25/11

## SAMPLE PRESERVATION

☐

Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)

☐

Random pH checked for ~10% of samples (use dip paper)

Sample IDs:

☐

Complete pH check required for project (use pH meter and record on pH Record form)

☐

Sample(s) were preserved at MSL

Type:

☐0.2% HNO<sub>3</sub>

Notes:

Lot#

☐

0.5% HCl (Hg samples)

Notes:

Lot#

☒

Refrigerate/Freeze

Notes:

Metals - deep freeze, ORG - walk-in freezer GS - Coldroom

☐

Other

Notes:

Completed By:

COWSLIN

Date/Time:

4/25/11

Storage Shelf:

COWSLIN Walk-in freezer

## REQUISITION AND INVOICE / SHIPPING DOCUMENT

Form Approved  
OMB No. 0704-0246  
Expires Jan 31, 2003

The public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

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|                                                                                                                                                    |  |                                                                                                                                                                             |                           |                                                                    |                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------|-----------------------|
| 1. FROM (Include ZIP Code)<br><b>N66001, Transportation Officer<br/>SPAWARSSYSCEN San Diego<br/>53605 Hull Street<br/>San Diego, CA 92152-5000</b> |  | SHEET NO.<br><b>1</b>                                                                                                                                                       | NO. OF SHEETS<br><b>1</b> | 5. REQUISITION DATE<br><b>04/20/2011</b>                           | 6. REQUISITION NUMBER |
| Requester: <b>Joel Guerrero (Code 71752)</b>                                                                                                       |  | 7. DATE MATERIAL REQUIRED (YYYYMMDD)<br><b>2011/04/26</b>                                                                                                                   |                           |                                                                    | 8. PRIORITY           |
| Cost Center: <b>85P717500S</b> Tel. No.: <b>(619) 553-4169</b>                                                                                     |  |                                                                                                                                                                             |                           |                                                                    |                       |
| 2. TO: (Include ZIP Code)<br><b>Battelle Marine Sciences<br/>1529 West Sequim Bay Road<br/>Sequim, WA 98382</b>                                    |  | 9. AUTHORITY OR PURPOSE (Indicate why item is being shipped. Include project name, contract #, loan agreement #, etc.)<br><b>Sediment Screening Equipment (RSC Project)</b> |                           |                                                                    |                       |
|                                                                                                                                                    |  | 10. SIGNATURE (Section Head)<br><b>S. Curtis/ Stacey Curtis 7175</b>                                                                                                        |                           | 11a. VOUCHER NUMBER & DATE (YYYYMMDD)<br><b>N66001-1/1/11 BD36</b> |                       |
| 3. SHIP TO - MARK FOR<br><b>Attn: Jill Brandenberger<br/>Tel: (360) 681-4564</b>                                                                   |  | 12. DATE SHIPPED (YYYYMMDD)<br><b>2011/04/22</b>                                                                                                                            |                           | b.                                                                 |                       |
|                                                                                                                                                    |  | 13. MODE OF SHIPMENT<br><b>FEDEX - 2 Day Air</b>                                                                                                                            |                           | 14. BILL OF LADING NUMBER                                          |                       |
| 15. AIR MOVEMENT DESIGNATOR OR PORT REFERENCE NO.                                                                                                  |  |                                                                                                                                                                             |                           |                                                                    |                       |

|                                                              |          |                                  |           |                               |             |                          |         |                                                                                                    |        |
|--------------------------------------------------------------|----------|----------------------------------|-----------|-------------------------------|-------------|--------------------------|---------|----------------------------------------------------------------------------------------------------|--------|
| 4. APPROPRIATIONS DATA SYMBOL & SUBHEAD<br><b>MEMORANDUM</b> | OBJ. CL. | BUR. CONT. NO.<br><b>INVOICE</b> | SUBAL-LOT | AUTHORIZATION ACCT'G ACTIVITY | TRANS. TYPE | PROPERTY ACCT'G ACTIVITY | COUNTRY | COST CODE (WBS, Network-<br>Network Acty; or TAC #)<br><b>100000467909 0062<br/>CC: 85P717500S</b> | AMOUNT |
|--------------------------------------------------------------|----------|----------------------------------|-----------|-------------------------------|-------------|--------------------------|---------|----------------------------------------------------------------------------------------------------|--------|

| ITEM NO.<br>(a) | FEDERAL STOCK NUMBER, DESCRIPTION, AND CODING OF MATERIAL AND/OR SERVICES<br>(b) | UNIT OF ISSUE<br>(c) | QUANTITY REQUESTED<br>(d) | SUPPLY ACTION<br>(a) | TYPE CON-TAINER<br>(f) | CON-TAINER NOS.<br>(g) | UNIT PRICE<br>(Unit Value)<br>(h) | TOTAL COST<br>(Total Value)<br>(i) |
|-----------------|----------------------------------------------------------------------------------|----------------------|---------------------------|----------------------|------------------------|------------------------|-----------------------------------|------------------------------------|
|                 | <b>RSC Sampling Equipment: (L x W x H)</b>                                       |                      |                           |                      |                        |                        |                                   |                                    |
| 1               | <b>One [1] ice chest (blue) with jars, 25 lbs 21 x 15 x 15</b>                   | ea                   | <b>Total No</b>           |                      |                        |                        | <b>\$ 250.00</b>                  | <b>\$ 250.00</b>                   |
| 2               | <b>Three [3] ice chests with jars, 25 lbs 19 x 12 x 14</b>                       | ea                   | <b>Items</b>              |                      |                        |                        | <b>100.00</b>                     | <b>300.00</b>                      |
|                 | <b>HAZMAT: N or Y Classified: U, C, S</b>                                        |                      |                           |                      |                        |                        |                                   | <b>\$ 550.00</b>                   |

|                                                   |                                          |                   |                 |             |              |                      |                                 |                                     |               |    |                            |
|---------------------------------------------------|------------------------------------------|-------------------|-----------------|-------------|--------------|----------------------|---------------------------------|-------------------------------------|---------------|----|----------------------------|
| 16. TRANSPORTATION VIA MATS OR MSTs CHARGEABLE TO |                                          |                   |                 |             |              | 17. SPECIAL HANDLING |                                 |                                     |               |    |                            |
| R<br>E<br>C<br>E<br>I<br>P<br>T                   | 18. ISSUED BY<br><b>THOMAS R. CONWAY</b> | TOTAL CON-TAINERS | TYPE CON-TAINER | DESCRIPTION | TOTAL WEIGHT | TOTAL CUBE           | R<br>E<br>C<br>E<br>I<br>P<br>T | CONTAINERS RECEIVED EXCEPT AS NOTED | DATE (YYMMDD) | BY | SHEET TOTAL                |
|                                                   | CHECKED BY                               |                   |                 |             |              |                      |                                 | QUANTITIES RECEIVED EXCEPT AS NOTED | DATE (YYMMDD) | BY | GRAND TOTAL                |
|                                                   | PACKED BY                                |                   |                 |             |              |                      |                                 | POSTED                              | DATE (YYMMDD) | BY | 20. RECEIVER'S VOUCHER NO. |
|                                                   |                                          |                   |                 |             |              |                      |                                 |                                     |               |    |                            |
| <b>← TOTAL →</b>                                  |                                          |                   |                 |             |              |                      |                                 |                                     |               |    |                            |

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Expires Jan 31, 2003

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PLEASE DO NOT RETURN YOUR FORM TO THIS ADDRESS. RETURN COMPLETED FORM TO THE ADDRESS IN ITEM 2.

|                                                                                                                                                  |  |                                                                                                                                                                             |                           |                                          |                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------|---------------------------------------------------------------------|
| 1. FROM (Include ZIP Code)<br><b>N66001, Transportation Officer<br/>SPAWARSSCEN San Diego<br/>53605 Hull Street<br/>San Diego, CA 92152-5000</b> |  | SHEET NO.<br><b>1</b>                                                                                                                                                       | NO. OF SHEETS<br><b>1</b> | 5. REQUISITION DATE<br><b>04/20/2011</b> | 6. REQUISITION NUMBER                                               |
| Requester: <b>Joel Guerrero (Code 71752)</b>                                                                                                     |  | 7. DATE MATERIAL REQUIRED (YYYYMMDD)<br><b>2011/04/26</b>                                                                                                                   |                           |                                          | 8. PRIORITY                                                         |
| Cost Center: <b>85P717500S</b> Tel. No.: <b>(619) 553-4169</b>                                                                                   |  | 9. AUTHORITY OR PURPOSE (Indicate why item is being shipped. Include project name, contract #, loan agreement #, etc.)<br><b>Sediment Screening Equipment (RSC Project)</b> |                           |                                          |                                                                     |
| 2. TO: (Include ZIP Code)<br><b>Battelle Marine Sciences<br/>1529 West Sequim Bay Road<br/>Sequim, WA 98382</b>                                  |  | 10. SIGNATURE (Section Head)<br><b>S. Curtis/ Stacey Curtis 7175</b>                                                                                                        |                           |                                          | 11a. VOUCHER NUMBER & DATE (YYYYMMDD)<br><b>N66001-1/11/11 BD36</b> |
| 3. SHIP TO - MARK FOR<br><b>Attn: Jill Brandenberger<br/>Tel: (360) 681-4564</b>                                                                 |  | 12. DATE SHIPPED (YYYYMMDD)<br><b>2011/04/22</b>                                                                                                                            |                           |                                          | b.                                                                  |
|                                                                                                                                                  |  | 13. MODE OF SHIPMENT<br><b>FEDEX - 2 Day Air</b>                                                                                                                            |                           |                                          | 14. BILL OF LADING NUMBER                                           |
| 15. AIR MOVEMENT DESIGNATOR OR PORT REFERENCE NO.                                                                                                |  |                                                                                                                                                                             |                           |                                          |                                                                     |

|                                                              |          |                |           |                               |             |                          |         |                                                                                                    |        |
|--------------------------------------------------------------|----------|----------------|-----------|-------------------------------|-------------|--------------------------|---------|----------------------------------------------------------------------------------------------------|--------|
| 4. APPROPRIATIONS DATA SYMBOL & SUBHEAD<br><b>MEMORANDUM</b> | OBJ. CL. | BUR. CONT. NO. | SUBAL-LOT | AUTHORIZATION ACCT'G ACTIVITY | TRANS. TYPE | PROPERTY ACCT'G ACTIVITY | COUNTRY | COST CODE (WBS, Network-<br>Network Acty; or TAC #)<br><b>100000467909 0062<br/>CC: 85P717500S</b> | AMOUNT |
|                                                              |          |                |           |                               |             |                          |         |                                                                                                    |        |

| ITEM NO.<br>(a) | FEDERAL STOCK NUMBER, DESCRIPTION, AND CODING OF MATERIAL AND/OR SERVICES<br>(b) | UNIT OF ISSUE<br>(c) | QUANTITY REQUESTED<br>(d) | SUPPLY ACTION<br>(a) | TYPE CON-TAINER<br>(f) | CON-TAINER NOS.<br>(g) | UNIT PRICE (Unit Value)<br>(h) | TOTAL COST (Total Value)<br>(i) |
|-----------------|----------------------------------------------------------------------------------|----------------------|---------------------------|----------------------|------------------------|------------------------|--------------------------------|---------------------------------|
|                 | <b>RSC Sampling Equipment: (L x W x H)</b>                                       |                      |                           |                      |                        |                        |                                |                                 |
| 1               | <b>One [1] ice chest (blue) with jars, 25 lbs 21 x 15 x 15</b>                   | ea                   | <b>Total No</b>           |                      |                        |                        | <b>\$ 250.00</b>               | <b>\$ 250.00</b>                |
| 2               | <b>Three [3] ice chests with jars, 25 lbs 19 x 12 x 14</b>                       | ea                   | <b>Items</b>              |                      |                        |                        | <b>100.00</b>                  | <b>300.00</b>                   |
|                 | <b>HAZMAT: or Y Classified: U, C, S</b>                                          |                      |                           |                      |                        |                        |                                | <b>\$ 550.00</b>                |

|                                                   |                                          |                   |                 |             |              |                      |                                 |                                         |               |    |                            |
|---------------------------------------------------|------------------------------------------|-------------------|-----------------|-------------|--------------|----------------------|---------------------------------|-----------------------------------------|---------------|----|----------------------------|
| 16. TRANSPORTATION VIA MATS OR MSTs CHARGEABLE TO |                                          |                   |                 |             |              | 17. SPECIAL HANDLING |                                 |                                         |               |    |                            |
| R<br>E<br>C<br>E<br>I<br>P<br>T                   | 18. ISSUED BY<br><b>THOMAS R. CONWAY</b> | TOTAL CON-TAINERS | TYPE CON-TAINER | DESCRIPTION | TOTAL WEIGHT | TOTAL CUBE           | R<br>E<br>C<br>E<br>I<br>P<br>T | 19. CONTAINERS RECEIVED EXCEPT AS NOTED | DATE (YYMMDD) | BY | SHEET TOTAL                |
|                                                   | CHECKED BY                               |                   |                 |             |              |                      |                                 | QUANTITIES RECEIVED EXCEPT AS NOTED     | DATE (YYMMDD) | BY | GRAND TOTAL                |
|                                                   | PACKED BY                                |                   |                 |             |              |                      |                                 | POSTED                                  | DATE (YYMMDD) | BY | 20. RECEIVER'S VOUCHER NO. |
|                                                   |                                          |                   |                 |             |              |                      |                                 |                                         |               |    |                            |
|                                                   |                                          |                   |                 |             |              |                      |                                 |                                         |               |    |                            |
| <b>← TOTAL →</b>                                  |                                          |                   |                 |             |              |                      |                                 |                                         |               |    |                            |